

OKANOGAN COUNTY

Abernathy (161)
(see under copper)

Adams
(see Moncosilgo under copper)

Adelia (60)

Loc: On Palmer Mtn. E. of Ivanhoe property. **Prop:** 1 claim of a group of 27. **Owner:** Wehe brothers. **Ore:** Gold, silver. **Deposit:** Vein about 5 ft. wide in slate said to carry good values in gold and silver. **Prod:** Several shipments prior to 1902. **Ref:** 13, p. 105.

Adirondack

Loc: T. 40 N., R. 26 E. **Owner:** Adirondack Mining Co. (1915-1918). **Ore:** Gold. **Deposit:** Quartz vein in porphyry. A 40-ft. ledge. **Assays:** \$4.00 Au. **Ref:** 112, 1918, p. 163. 158.

Alder (173)

Loc: Secs. 25, 26, 35, and 36, (33-21E). **Elev:** 3,000 to 3,800 ft. **Access:** 5 mi. SW. of Twisp by road. **Prop:** 3 patented and 17 unpatented claims. **Owner:** Alder Gold-Copper Co., Spokane, Wash. (1949—). **Ore:** Gold, copper, zinc, silver. **Ore min:** Chalcopryrite, pyrite, sphalerite, native copper, pyrrhotite. **Deposit:** Silicified zone 15 to 75 ft. wide in sheared argillite. **Dev:** 3 adits total several hundred ft. Large open pit. **Improv:** 300-ton flotation mill (1955). **Assays:** 6,831 tons shipped in 1939 av. 0.55 oz. Au, about 0.50 oz. Ag, 0.16% to 0.55% Cu. 1,546 tons of Cu conc. in 1951 yielded 268,202 lb. Cu, 1,359 oz. Au, 2,072 oz. Ag. **Prod:** 1937; 1939, 13,000 tons of ore; 1940, 9,000 tons of ore; 1941; 1942 about 4,000 tons; 1950, 1,899 tons of Cu conc.; 1951, 1,546 tons of Cu conc.; 1952-1953. **Ref:** 33, 1918, p. 1454. 97, 1928, p. 700; 1950, p. 1612; 1951, p. 1615. 104, 8/15/32, p. 29; 1/15/37, p. 28. 106, 12/19/29; 10/2/30. 108, 11/39, p. 2; 9/41, p. 36. 133, p. 29. 158.

Alice (78)

(see also Summit, Black Bear, War Eagle)

Loc: Sec. 36, (39-25E) and sec. 31, (39-26E), Palmer Mtn. dist. **Prop:** 3 claims: Black Bear, Summit, War Eagle. **Owner:** R. D. Heffernan, Tonasket, Wash. (1949). **Ore:** Gold. **Ref:** 52, p. 5.

Allison

(see Okanogan Free Gold)

Alta

(see Chilson under lead)

American Flag (Oriental and Central) (150)

Loc: SE¼ sec. 30, (36-20E), on a cliff about 1 mi. NE. of Mazama. **Elev:** 2,600 to 3,000 ft. **Access:** ½ mi. by trail and 1½ mi. by road from Mazama. **Prop:** 2 patented claims, 1 unpatented claim. **Owner:** Mahlon McCain and associates (1946). **Ore:** Gold, copper, zinc, silver. **Ore min:** Pyrite, arsenopyrite, chalcopryrite, sphalerite. **Gangue:** Quartz, calcite. **Deposit:** 2 mineralized fault zones 2 to 40 in. wide in diorite contain small quartz stringers and sulfides. **Dev:** 2 adits and a sublevel together with a raise and winze total about 1,400 ft. **Assays:** 0.16 to 3.08 oz. Au across widths of 2 in. to 2 ft. **Prod:** A few hundred tons produced before 1910, and small production in 1940. **Ref:** 40, p. 14. 88, p. 35. 97, 1941, p. 474. 106, 3/19/31, 4/2/31. 108, 10/39, p. 32; 7/40, p. 38. 157. 158.

American Flag (139)

(see under copper)

American Girl (130)

Loc: NW¼ sec. 25, (40-30E), Myers Cr. dist. **Ore:** Gold. **Prod:** 1 car of ore in 1916. **Ref:** 158.

American Graphite (236)

Loc: Mine in sec. 27, (34-29E). Mill in sec. 29, (34-27E). **Access:** Road. **Prop:** 70 claims and 179 acres of land. **Owner:** American Graphite & Metals Corp. (1948). **Ore:** Graphite with some gold and molybdenum. **Ore min:** Graphite, molybdenite. **Deposit:** Graphite schists and graphite-bearing crystalline limestone. **Dev:** Adit, shaft. **Improv:** Mill, cabins, bunker (1949). **Assays:** Assays indicate \$2.00 Au in some samples. Spectrographic analysis shows the presence of 0.31% MoS₂. **Note:** This property, originally thought to be a molybdenum prospect, was proven to have values principally in graphite, and to have little or no molybdenum. **Ref:** 158.

American Rand

(see Spokane)

Anaconda (66)

Loc: Sec. 14, (39-26E), 200 yd. from E. shore of Wannacut Lk. **Elev:** 2,000 ft. **Prop:** 1 claim. **Owner:** Plant and Callahan Mining Co. (1907-1918). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopryrite. **Gangue:** Quartz. **Deposit:** 4-ft. vein. **Dev:** 40-ft. incline. **Assays:** Samples from dump assayed \$30 Au, \$8 Ag. **Ref:** 13, p. 102.

Anchor (256)

(see under silver)

Andruss

Loc: 15 mi. NE. of Oroville, 1½ mi. S. of Canadian boundary, Myers Cr. dist. **Ore:** Gold. **Ref:** 63, p. 110.

Anna B.

(see Ironsides and Anna B. under copper)

Antimony Gold

(see Abernathy under copper)

Antimony Queen (176)

(see under antimony)

Apache (257)

(see under silver)

Apex (109)

(see under copper)

Arizona

(see under silver)

Arizona

(see Horn Silver under silver)

Arlington (229)

(see under silver)

Atkins (237)

(see under lead)

Aurora

Loc: Park City dist. **Prop:** 8 claims. **Owner:** Aurora Mining Co., Seattle, Wash. (1941). **Ore:** Gold. **Ref:** 58, p. 5.

Aztec (120)

(see under iron)

Baltimore (72)

Loc: Sec. 28, (39-26E), Palmer Mtn. dist. **Ore:** Gold, copper. **Ore min:** Chalcopryrite, pyrite. **Deposit:** 12-in. vein. **Assays:** \$10 Au. **Ref:** 58, p. 5. 63, p. 101.

Bambino (Little Flower) (179)

Loc: Secs. 7 and 8, (30-22E), Squaw Cr. dist. **Owner:** Holden Gold Mining Co. (1933). **Ore:** Gold. **Ref:** 104, 7/15/33, p. 19; 12/30/33, p. 19.

Beaver (133)

Loc: Secs. 21 and 28, (39-31E), Wauconda dist. **Owner:** Mrs. Ida Ollason, Republic, Wash. (1941). **Ore:** Gold, silver. **Ref:** 58, p. 5.

Bellevue (52)

Loc: NW¼ sec. 4, (39-26E), Wannacut Lk. dist. **Prop:** 5 claims. **Ore:** Gold, silver, copper. **Ore min:** Arsenopyrite, pyrite, chalcopyrite, pyrrargyrite, stephanite, a little native silver, free gold, and possibly gold-silver telluride. **Deposit:** Quartz vein from 10 in. to 3 ft. wide enclosed in slate. Vein av. 15 in. wide. **Dev:** Small shaft and several open cuts. **Assays:** A test shipment of 1,000 lb. returned \$75 Au, Ag, more than half of which was Au. **Prod:** Several tons. **Ref:** 63, p. 100. 154, p. 101.

Ben Butler (83)

Loc: NE¼ sec. 19, (39-26E), Palmer Mtn. dist. **Ore:** Gold. **Deposit:** 15-in. vein. **Assays:** \$7.80 Au (1897). **Ref:** 63, p. 101.

Ben Harrison

(see Apex under copper)

Ben Lummon

Loc: Squaw Cr. dist. **Ore:** Gold. **Deposit:** 2 parallel veins along a slate-porphry contact. **Assays:** \$15 to \$18 Au (1897). **Ref:** 63, p. 88.

Bergman

(see Shaw-Bergman under copper)

Big Boy (151)

Loc: Secs. 23, 24, and 30, (36-20E), Mazama dist. **Prop:** 2 claims: Big Boy Nos. 1 and 2. **Owner:** Mazama Gold Mines Consolidated, Inc., Seattle, Wash. (1938). **Ore:** Gold, silver. **Ref:** 158.

Big Eight (164)

Loc: Sec. 3, (34-18E). **Ore:** Gold. **Ref:** 58, p. 7. 63, p. 90.

Big Hole

Loc: At forks of Mary Ann Cr., Myers Cr. dist. **Ore:** Gold, silver. **Ref:** 63, p. 110.

Billy Goat (6)

(see under copper)

Bi-Metallic (135)

(see under molybdenum)

Black Bear (79)

(see also Alice)

Loc: NE¼ sec. 36, (39-25E), on Palmer Mtn. **Elev:** 2,500 ft. **Prop:** Part of Alice property. **Owner:** R. D. Heffernan, Tonasket, Wash. (1949). **Ore:** Gold, silver, copper. **Ore min:** Free gold, pyrite. **Deposit:** A 4-ft. quartz vein along contact of chlorite schist and serpentine. Vein carries a 3-ft. paystreak. **Dev:** 2,500 ft. of underground workings. **Assays:** Av. \$18 Au, Ag, Cu. **Prod:** \$150,000 prior to 1902; 77 tons in 1947. **Ref:** 12, p. 62. 13, p. 99. 63, p. 98. 88, p. 31.

Black Huzzar

(see under silver)

Black Jack (184)

Loc: Sec. 32, (31-22E), Squaw Cr. dist. **Ore:** Gold, silver, copper. **Ore min:** Chalcopyrite. **Deposit:** 4-ft. quartz vein. **Ref:** 58, p. 8. 63, p. 89.

Black Warrior

Loc: T. 40 N., R. 27 E., Oroville dist. **Ore:** Gold, silver, copper, lead. **Ore min:** Pyrite, galena, chalcopyrite. **Deposit:** 2 parallel veins, one rich in pyrite and chalcopyrite, the other in galena. **Ref:** 63, p. 102.

Blanche (35)

Loc: Sec. 10, (40-26E), Similkameen area. **Access:** 7 mi. by road from Oroville. **Prop:** 1 claim. **Owner:** Jumbo Gold Mining Co., Inc. (1938). **Ore:** Gold, silver. **Dev:** An 80-ft. adit, a 100-ft. adit, and two 10-ft. shafts. **Assays:** \$56 Au, Ag across widths of 42 in. to 4 ft. reported. **Ref:** 158.

Blue Lake (105)

(see under copper)

Bodie (Northern Gold) (137)

Loc: SW¼ sec. 3, (38-31E) and sec. 34, (39-31E), on Toroda Cr., N. of Wauconda. **Elev:** 3,000 ft. **Access:** 22 mi. by road to railroad at Republic. **Prop:** 5 patented, 10 unpatented claims. **Owner:** Toroda Gold Mines Corp. subleasing from Northern Gold Corp. (1939-1941). Bodie Transportation & Mining Co. (1907). B and F Mining Co. (1908-1909). Duluth-Toroda Mining Co. (1910-1912). Toroda Development Co. (1915-1916). Northern Gold Corp. (1934-1941). **Ore:** Gold, silver. **Ore min:** Free gold, pyrite. **Deposit:** Finely disseminated ore in quartz-calcite vein. Vein is much altered and leached near surface. Vein is similar to those in Republic dist. Veins are in tuff and andesite. One vein av. 4 ft. wide. **Dev:** Several thousand ft. of workings on 4 levels. **Assays:** 302 tons produced 1940-1944 returned \$9,770 or \$32.35 per ton. Ore said to av. about \$10.00 Au. **Prod:** 1906, 1907, 1909-1911, 1914, 1915, 1934-1944. 66,032 tons 1935-1944. **Ref:** 58, pp. 9, 68. 97, 1907-1912, 1915, 1916, 1934-1944. 99, 11/27/34, 1/8/35, 1/29/35, 2/12/35. 104, 1/30/35, p. 23; 1/30/36, p. 22; 12/30/36, p. 29. 106, 10/34. 116, no. 3, 1909, p. 230. 117, no. 24, 1919, p. 12. 158.

Bolinger (178)

Loc: Sec. 25, (31-21E), on S. Fk. of Gold Cr. **Prop:** 5 claims. **Ore:** Gold, silver. **Ore min:** Arsenopyrite, galena, chalcopyrite, pyrite. **Gangue:** Quartz. **Deposit:** 2 parallel veins 200 ft. apart in gneiss. The larger vein is 4½ to 7 ft. thick. **Dev:** 450-ft. adit cutting both veins. **Assays:** \$5 to \$54 Au. Av. \$12 Au, Ag. **Ref:** 88, pp. 39-40.

Bonanza Chief

(see Brown Bear)

Bornite

(see Peacock under copper)

Boundary

(see Sheep Mountain under molybdenum)

Brother Jack

Loc: Twisp dist. **Ore:** Gold. **Assays:** \$20 Au (1897). **Ref:** 63, p. 86.

Brown Bear (Bonanza Chief) (3)

Loc: NW¼ sec. 24, (37-17E), 1½ mi. S. of Harts Pass and 1 mi. E. of Tatle Peak. **Elev:** 6,200 ft. **Access:** Trail from Harts Pass. **Prop:** 2 claims. **Owner:** Charles Willman, Winthrop, Wash. (1951). **Ore:** Gold. **Gangue:** Quartz, gouge. **Deposit:** Hydrothermally altered shear zone in arkosic sandstone carries a little mineralized quartz. **Dev:** 40-ft. adit and a winding adit several hundred ft. long. **Assays:** Samples from the widest part of the vein assayed \$8 to \$22 Au. **Ref:** 158.

Buckeye

(see under silver)

Buckeye (69)

(see under copper)

Buckhorn

(see Magnetic under iron)

Bullfrog (46)

Loc: SW. part sec. 33, (40-26E), Palmer Mtn. dist. **Prop:** 18 claims. **Owner:** Bullfrog Gold Mining Co. (1902). **Ore:** Gold, silver. **Ore min:** Pyrite, black metallic sulfide mineral. **Deposit:** Reportedly a 7-ft. quartz vein in quartzite and sericitic schist traceable for 3,000 ft. **Dev:** Adit, 160-ft. shaft, 140-ft. shaft. **Assays:** 10-ton test yielded \$17 per ton, of which \$12 was in gold and \$5 in silver (1902). **Prod:** 4,600 lb. shipped. **Ref:** 63, p. 100. 88, pp. 30-31. 154, p. 101.

Bunker Hill

Loc: On W. slope of Palmer Mtn. **Elev:** 3,500 ft. **Prop:** 1 claim. **Owner:** William Nelson and Thomas Ryan (1892). **Ore:** Gold. **Ore min:** Free gold. **Deposit:** A 20-in. vertical vein is exposed on the surface for more than 300 ft. **Dev:** 60-ft. adit, 40-ft. adit, 40-ft. crosscut, 30-ft. drift. **Assays:** Ore from dump assayed \$300 Au. **Prod:** 5 tons of high-grade gold ore prior to 1890. **Ref:** 12, pp. 64-65. 13, p. 100.

Butcher Boy (112)

Loc: SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 21, (40-30E), Myers Cr. dist. **Access:** Road from Chesaw. **Prop:** 2 claims. **Owner:** Leased by James Miller, Chesaw, Wash. (1938). Butcher Boy Gold Mining Co. (1908-1915). **Ore:** Gold, silver, lead, zinc. **Ore min:** Pyrite, pyrrhotite, sphalerite, galena. **Gangue:** Quartz, calcite. **Deposit:** Quartz vein in argillite from 1 in. to 6 ft. wide. Argillite has been intruded by granite. **Dev:** 326-ft. adit, shaft, stope. **Assays:** Vein in adit said to assay \$7 to \$17 Au, 70¢ Ag. Some ore said to carry as much as 7 oz. Au. **Prod:** 11 carloads of ore 1907. **Ref:** 46, p. 175. 154, pp. 49-50.

Caaba

(see Kaaba under lead)

Cabin (258)

(see under lead)

Calumet

Loc: On Kruger Mtn., Oroville dist. **Owner:** James Anderson and E. D. Beeing (1897). **Ore:** Gold, silver. **Ore min:** Petzite. **Assays:** Av. \$40 per ton. **Ref:** 63, p. 103.

Campbell

(see Holden-Campbell)

Caribou (121)

Loc: SE $\frac{1}{4}$ sec. 14, (40-30E), Myers Cr. dist. **Owner:** British Columbia Copper Co. (1908-1916). **Ore:** Gold, silver, copper. **Prod:** 8 carloads of ore in 1916. **Ref:** 33, 1908, p. 413. 97, 1916, p. 613; 1917, p. 503.

Caroline (53)

Loc: Adjoins Triune property, Oroville dist. **Owner:** Dell Hart & Sons, Oroville, Wash. (1938). **Ore:** Gold. **Ref:** 158.

Carr (7)

(see under copper)

Castle Creek (242)

(see under lead)

Central (Trinidad) (107)

(see under silver)

Central (American Flag)

(see American Flag)

Chelan (Pennington) (182)

Loc: Near NE. cor. sec. 17, (30-22E), near head of Squaw Cr. on N. side of the valley. **Elev:** 3,000 ft. **Access:** Road up Squaw Cr. **Prop:** At least 7 claims. **Owner:** Roy Pennington (1943). **Ore:** Gold, tungsten. **Ore min:** Scheelite, pyrite, free gold. **Deposit:** Several mineralized quartz veins from 6 to 24 in.

wide along shear zones in diorite. **Dev:** Caved adit on No. 7 vein and 40-ft. adit on No. 4 vein, also some open cuts. **Assays:** Gold values of \$21 and \$161 are reported. Scheelite content less than $\frac{1}{4}\%$. **Ref:** 37, p. 49.

Chesaw (113)

Loc: Secs. 21 and 22 (or sec. 16), (40-30E), 1 mi. E. of Chesaw. **Owner:** C. N. Bagwell and Homer B. Splawn, Yakima, Wash. (1952—). **Ore:** Gold, silver. **Ore min:** Pyrite, arsenopyrite. **Deposit:** Granitic rocks in which disseminated sulfides constitute 3% to 10% of the whole. **Dev:** Open cuts. **Assays:** Assay samples at various places across the granitic lenses show from \$1.55 to \$7.80 Au. **Ref:** 54, pp. 10-11. 133, p. 31.

Chicago (67)

Loc: SE $\frac{1}{4}$ sec. 23, (39-26E), Wannacut Lk. dist. **Ore:** Gold, silver, lead. **Deposit:** Several veins over 2 ft. wide. **Assays:** \$64 Au, \$16.40 Ag, \$3.60 Pb (1897). **Ref:** 58, p. 13. 63, pp. 100-101.

Chicago (187)

Loc: Sec. 10, (30-22E), Squaw Cr. dist. **Ore:** Gold, copper. **Deposit:** 18-in. vein traceable for 300 ft. **Prod:** 3 tons prior to 1897. **Ref:** 63, p. 88.

Chicago and New York

Loc: Myers Cr. dist. **Ore:** Gold, copper. **Ref:** 63, p. 110.

Chickamun (174)

(see under copper)

Chief Sunshine (212)

(see under silver)

Chilson

(see under lead)

Chloride

(see under silver)

Chloride Queen (19)

Loc: SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 36, (40-25E), on SW. slope of Ellemeham Mtn., Nighthawk dist. **Owner:** Mr. Everett, Nighthawk, Wash. (1939). **Ore:** Gold. **Ore min:** Pyrite, free gold. **Deposit:** A 1- to 4-ft. iron-stained quartz vein in argillite is sparsely mineralized with pyrite and reportedly free gold. **Dev:** 50-ft. inclined shaft and a drift. **Prod:** 1936, 1937. **Ref:** 97, 1937, p. 552; 1938, p. 459. 158.

Chopaka (12)

(see under silver)

Cleopatra

Loc: Myers Cr. dist. **Ore:** Gold, silver, lead. **Ref:** 63, p. 110.

Columbia (193)

Loc: Sec. 12, (30-22E), Squaw Cr. dist. **Ore:** Gold. **Deposit:** 14-ft. vein. **Ref:** 63, p. 88.

Columbia

Loc: Near Canadian boundary, Myers Cr. dist. **Ore:** Gold. **Ref:** 63, p. 110.

Combination (70)

Loc: SW $\frac{1}{4}$ sec. 25, (39-26E), Wannacut Lk. dist. **Prop:** 1 claim. **Owner:** Mr. Hall (1892). **Ore:** Gold, silver. **Deposit:** 4-ft. vein. **Dev:** 25-ft. shaft. **Assays:** Ore from dump assayed \$21.50 Au, \$3 Ag. **Ref:** 13, p. 102. 63, p. 101.

Contention (61)

Loc: SE. cor. sec. 22, (39-26E), Wannacut Lk. dist. **Ore:** Gold. **Deposit:** 2 veins crossing one another. **Ref:** 58, p. 15. 63, p. 100.

Continental

(see Mazama Queen)

Copper Glance (10)

(see under copper)

Copper King (84)

(see under copper)

Copper World (87)

(see under copper)

Copper World Extension (88)

(see under copper)

Cornucopia

Loc: Wannacut Lk. dist. **Owner:** Oscar Nelson (1892). **Ore:** Gold, silver. **Gangue:** Quartz. **Deposit:** Large vein. **Dev:** 15-ft. shaft. **Assays:** \$80 Au, Ag. **Ref:** 13, p. 104.

Crescent

(see Triune)

Crown Point

(see Imperial)

Crystal Butte (Mother Lode) (131)

Loc: Center W½ sec. 35, (40-30E), Myers Cr. dist. **Access:** Road from Chesaw. **Prop:** 6 claims. **Owner:** Being purchased on lease and option by R. C. Hirst from Arthur and Joseph Little, Chesaw, Wash. (1938). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Galena, chalcoppyrite, sphalerite, pyrite, arsenopyrite. **Deposit:** A mineralized quartz vein av. 1 ft. in width occurs along the contact of limestone and argillite. **Dev:** Inclined shaft, adit, open cuts, some old caved workings. **Assays:** A carload and truckload shipped in 1937 netted \$40 per ton in gold and silver. **Prod:** A carload and truckload in 1937. Produced 1938-1941. **Ref:** 97, 1938-1941. 154, pp. 48-49. 158.

Crystalite

Loc: 5 mi. up Gold Cr. from its mouth. **Prop:** 2 claims: Crystalite, Gold Creek. **Owner:** John Runnels and Thomas Deaver (1892). **Ore:** Gold, silver, antimony, copper. **Deposit:** 2-ft. vein. **Dev:** Short crosscut. **Assays:** Said to assay 50 to 350 oz. Au, Ag. **Ref:** 13, p. 115.

Curlew (25)

Loc: SE¼ sec. 23, (40-25E), Nighthawk dist. **Prop:** 5 claims. **Owner:** Otto Hausing, Theodore Wilken, Joseph Linton (1897). **Ore:** Gold, silver, lead. **Ore min:** Galena. **Deposit:** 3 parallel veins in granite. **Assays:** \$40 to \$80 Au (1897). **Ref:** 63, p. 102.

Daisy (143)

Loc: Secs. 11, 12, and 14, (36-19E), Mazama dist. **Owner:** Continental Gold-Silver Mining Co., Mazama, Wash. **Ore:** Gold, silver, copper, lead, zinc. **Ref:** 158.

Damfino (186)

Loc: Secs. 28 and 33, (31-22E), Methow dist. **Ore:** Gold, silver, copper. **Deposit:** 40-in. wide. **Dev:** 60-ft. adit. **Ref:** 58, p. 17. 63, p. 89.

Defiance (74)

Loc: Sec. 29, (39-26E), Palmer Mtn. dist. **Ore:** Gold, silver. **Ref:** 58, p. 18. 63, p. 101.

Delaware

(see under silver)

Denver City

(see Leadville)

Derby

Loc: Near the Oregonian property, Twisp dist. **Ore:** Gold. **Ref:** 63, p. 90.

Detroit-Windsor (98)

Loc: NE¼ sec. 24, (38-25E), Palmer Mtn. dist. **Ore:** Gold, copper. **Ref:** 58, p. 18. 63, pp. 104-105.

Dexter

(see under silver)

Diamond (226)

(see under silver)

Diamond Queen (206)

Loc: Sec. 20, (30-23E), Squaw Cr. dist. **Ore:** Gold, silver. **Ref:** 58, p. 19.

Dividend (38)

(see under copper)

Dixie Queen

(see Antimony Queen under antimony)

Dodd

(see Sheep Mountain under molybdenum)

Dorian

(see No Monicker)

Double Eagle

(see Dry Bone under lead)

Double Header

(see Little Chief under silver)

Dry Bone

(see under lead)

Duke of Windsor

(see Dry Bone under lead)

E Pluribus (91)

Loc: SE¼ sec. 33, (39-25E), Palmer Mtn. dist. **Ore:** Gold. **Ref:** 63, p. 104.

Eagle (114)

Loc: Near center NW¼ sec. 21, (40-30E). **Owner:** Leased by M. L. Pierce, Chesaw, Wash., from the Patrick Welch estate (1938). **Ore:** Gold. **Ore min:** Pyrite, free gold, molybdenite. **Deposit:** Chalcedonic quartz veinlets from ½ in. to 6 in. wide in altered granite carry values in gold. Portions of the granite near the veins also carry gold. **Dev:** Several short adits and old open cuts. **Assays:** Said to run from a few cents to several hundred dollars per ton in gold. **Ref:** 158.

Eclipse (90)

Loc: SW¼ sec. 28, (39-25E), Palmer Mtn. dist. **Ore:** Gold. **Ref:** 63, p. 104.

El Dorado

Loc: Palmer Mtn. dist. **Ore:** Gold. **Ref:** 63, p. 104.

Eloise (26)

(see under silver)

Emerald (198)

Loc: Sec. 7, (30-23E), Squaw Cr. dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 87.

Empire (82)

Loc: N½ sec. 6, (39-26E), N. end of Palmer Mtn., ½ mi. E. of Palmer Lk. **Prop:** 4 claims. **Owner:** Messrs. Hall and George Pascall (1892). **Ore:** Gold, silver, copper, lead. **Ore min:** Galena, iron and copper sulfides. **Dev:** 10-ft. shaft. **Assays:** \$18 Au. **Ref:** 13, p. 102. 58, p. 20. 63, p. 101.

Empress

Loc: On NW. side of Palmer Mtn., near Kodak claim. **Prop:** 1 claim. **Owner:** F. W. Brown, J. Finn, and J. E. Waters. **Ore:** Gold, silver. **Gangue:** Quartz. **Deposit:** NW. extension of the Kodak vein. **Ref:** 13, p. 100.

Eureka (32)

(see under lead)

Eureka (145A)

Loc: Sec. 9, (30-32E), at head of McFarland Cr. **Access:** Road. **Owner:** Mack Toutsch (1953). **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Small amount of quartz in an altered shear zone in granite gneiss. **Dev:** Open cut and 30-ft. adit about 75 ft. below open cut. **Ref:** 158.

Eureka

(see under silver)

Evening (254)

(see under silver)

Excelsior (200)

Loc: NE¼ sec. 22, (30-22E), Squaw Cr. dist. **Ore:** Gold, silver. **Ref:** 63, p. 89.

Fairview

Loc: Wannacut Lk. dist. **Prop:** 3 claims: Fairview, Grubstake, Kingbird. **Owner:** George Dance, John Shannon, Seattle, Wash. (1892). **Ore:** Gold, silver. **Ore min:** Sulfides. **Deposit:** 3 parallel quartz veins. **Dev:** 3 shafts, 30, 10, and 20 ft. deep. **Assays:** \$10 to \$12 Au, 2 to 5 oz. Ag. **Ref:** 13, p. 105.

Fairview

(see under lead)

Fairview

Loc: Mazama dist. **Owner:** Danlee Mining Co. (1931). **Ore:** Gold. **Ref:** 106, 5/7/31, p. 17.

Favorite (27)

(see under lead)

Floyd (167)

(see under copper)

49th Parallel (39)

(see under copper)

Four Aces (203)

Loc: NE¼SW¼ sec. 24, (30-22E), Squaw Cr. dist. **Prop:** 3 unpatented claims. **Ore:** Gold, copper. **Ore min:** Pyrite, chalcopryrite. **Deposit:** Quartz vein along a shear zone in quartz diorite porphyry. **Dev:** Shaft 12 by 12 ft. **Assays:** Av. \$4 to \$5 Au. **Ref:** 158.

Fourth of July (230)

(see under silver)

Frankie Girl (17)

Loc: SE¼ sec. 33, (39-25E), Palmer Mtn. dist. **Ore:** Gold. **Ref:** 63, p. 104.

Friday (Tom Hal) (207)

Loc: SW¼ sec. 20, (30-23E), Squaw Cr. dist. **Access:** Paved highway from Pateros and cable car across Methow R. **Prop:** 5 claims. **Owner:** J. J. Sullivan, Pateros, Wash. (1942). **Ore:** Gold, silver. **Ore min:** Pyrite, chalcopryrite, arsenopyrite, bornite, malachite. **Deposit:** 1-ft. quartz vein in gneissic diorite. **Dev:** 110-ft. crosscut, 100-ft. winze, 240 ft. of drifts (1902). **Assays:** 10 tons selected ore yielded \$70 per ton prior to 1902. Other assays showed 0.56 oz. Au, 1.3 oz. Ag. **Prod:** \$5,000 prior to 1897, 1 carload in 1940. **Ref:** 58, p. 68. 63, p. 86. 88, p. 39. 158.

Frosty

Loc: Oroville dist. **Ore:** Gold, copper. **Ref:** 63, p. 103.

Gladstone (75)

Loc: Sec. 31, (39-26E), Palmer Mtn. dist. **Prop:** 3 claims. **Ore:** Gold. **Dev:** 500 ft. of workings. **Ref:** 58, p. 24. 63, p. 100.

Goat Creek

(see under copper)

Golconda

Loc: Wauconda dist. **Ore:** Gold. **Prod:** 1936, 1938. **Ref:** 97, 1937, p. 552; 1939, p. 490.

Gold Axe (122)

Loc: SW¼ sec. 24, (40-30E), Myers Cr. dist. **Owner:** W. C. Carpenter, Grand Coulee, Wash. (1938). Buckhorn Mining Co. (1935). **Ore:** Gold, silver, copper. **Prod:** 16 or 17 carloads (1914-1915). **Ref:** 58, p. 24. 97, 1911, 1915, 1916, 1928, 1934, 1935. 104, 10/15/35, p. 25; 11/15/35, p. 24; 3/30/38. 106, 12/1/32.

Gold Bar (165)

Loc: Sec. 30, (34-18E), on South Cr., Twisp dist. **Access:** 4 to 8 mi. from Twisp R. road. **Ore:** Gold. **Ref:** 58, p. 24. 63, p. 91. 158.

Gold Coin (180)

Loc: E½ sec. 5, (30-22E), Squaw Cr. dist. **Prop:** 2 patented claims: The Billy, Gold Coin No. 1. **Owner:** Joe Douglas, Methow, Wash. (1949). Gold Coin Mining Co. (1932). **Ore:** Gold. **Prod:** 1934, 1941. **Ref:** 97, 1935, p. 354. 104, 2/29/32, p. 30. 158.

Gold Coin (152)

Loc: Sec. 31, (39-26E), Palmer Mtn. dist. **Ore:** Gold. **Gangue:** above valley. **Access:** Road. **Prop:** 6 unpatented claims. **Owner:** Alva R. Sharp and Jim Lewis, Mazama, Wash. (1946). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** Shear zone 12 in. wide in andesite is heavily oxidized and carries a little pyrite. **Dev:** 100-ft. adit and an open cut. **Assays:** Ore reportedly av. \$10 Au, Ag. **Ref:** 158.

Gold Creek

Loc: Squaw Cr. dist. **Ore:** Gold. **Ref:** 13, p. 115.

Gold Crown (76)

Loc: Sec. 31, (39-26E), Palmer Mtn. dist. **Ore:** Gold. **Gangue:** Quartz. **Deposit:** 10-ft. vein. **Assays:** Dump sample showed \$105 Au. **Prod:** Amount not known. **Ref:** 12, p. 61. 13, p. 100.

Gold Crown (16)

Loc: SW¼ sec. 32, (40-25E), Chopaka area. **Access:** 8 mi. by road to Loomis. **Prop:** 3 claims. **Owner:** Victor Byrski, Vern C. Anderson, Tacoma, Wash., and Perry O. Luce, Coulee Dam, Wash. (1951). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopryrite. **Gangue:** Quartz. **Deposit:** Veins a few inches to 4 ft. thick in granite. **Dev:** 60-ft. shaft and shallow pits. **Assays:** Av. 2 oz. Au, 4 oz. Ag, 4% Cu reported. **Ref:** 150, p. 32. 158.

Gold Crown

(see Golden Crown)

Gold Crown

(see Spokane)

Gold Cup

(see under silver)

Gold Dust (40)

(see under copper)

Gold Eagle

(see under silver)

Gold Hill (92)

Loc: Sec. 5, (38-25E), 3 mi. W. of Loomis, Palmer Mtn. dist. **Prop:** 86 claims. **Owner:** Gold Hill Mining Co., Seattle, Wash. (1941). **Ore:** Gold, silver, copper, lead, zinc. **Ore min:** Pyrite, chalcopryrite, galena, sphalerite, malachite. **Deposit:** Quartz vein av. 4 ft. thick in granite. **Dev:** 4,000 ft. of crosscuts and drifts. **Ref:** 58, p. 25. 88, p. 30.

Gold Key (153)

Loc: Near NW. cor. sec. 30, (36-20E), about 1,000 ft. NW. of upper workings of Mazama Pride, Mazama dist. **Elev:** 2,500 ft. **Prop:** Part of Mazama Pride group (?). **Owner:** Alva Sharp, Mazama, Wash. (1946). **Ore:** Gold, copper. **Ore min:** Pyrite, arsenopyrite, and some chalcopryrite. **Deposit:** Quartz stringer in diorite mineralized to some extent. **Dev:** 110-ft. adit with a 15-ft. winze. **Assays:** 37 tons shipped av. 0.7 oz. Au. **Prod:** 37 tons of ore shipped in 1931. **Ref:** 158.

Gold Quarry (103)

Loc: Near SW. cor. sec. 20, (37-25E), on both sides of Sinlahekin Cr., W. of the Okanogan Copper Co. property, Conconully dist. **Elev:** 2,500 ft. **Prop:** 20 claims. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Metamorphosed shales are sparsely mineralized with pyrite along planes of lamination. **Dev:** Open cuts, short adits, shallow shafts. **Assays:** Said to carry gold. **Ref:** 75, p. 36.

Golden Chariot (41)

(see under copper)

Golden Crown (Gold Crown)

Loc: On road E. of War Eagle property, Wannacut Lk. dist. **Owner:** S. I. Silverman, Helena, Mont. (1892). **Ore:** Gold. **Deposit:** 10-ft. quartz vein. **Dev:** 34-ft. shaft. **Assays:** Samples from dump said to assay \$105 Au. **Ref:** 12, p. 63. 13, p. 100.

Golden Fleece (93)

Loc: NE¼ sec. 4, (38-25E), Palmer Mtn. dist. **Ore:** Gold. **Ref:** 63, p. 104.

Golden Triangle

Loc: On Clark's Mtn., Twisp dist. **Prop:** 9 claims. **Owner:** Golden Triangle Mining Co. (1897). **Ore:** Gold. **Ore min:** Arsenopyrite. **Ref:** 63, p. 92.

Golden Zone (11)

Loc: Near SE. cor. sec. 7, (40-25E), at base of Mt. Chopaka, Nighthawk dist., 2 mi. S. of the international boundary. **Elev:** 1,500 ft. **Prop:** 5 patented claims. **Ore:** Gold, silver, lead, copper, reportedly molybdenum. **Ore min:** Pyrite, chalcopryrite, free gold, argentiferous galena, occasionally sphalerite and arsenopyrite. **Gangue:** Quartz. **Deposit:** Vein up to 4 ft. thick in granite a short distance from its contact with metamorphic rocks. **Dev:** 5,000 ft. of adits and drifts. **Assays:** Up to \$10 Pb, \$25 Au, 4 oz. Ag. **Prod:** Prior to 1911, 1939. **Ref:** 63, p. 103. 88, p. 30. 97, 1915, p. 572; 1940, p. 478. 145, p. 95. 154, p. 95.

Goodenuf (248)

(see under silver)

Gould & Curry (259)

(see under lead)

Gove (238)

Loc: SW¼ sec. 26, (34-31E), Park City dist. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** 10-ft. shear zone conformable to bedding of enclosing schist is silicified and contains a little disseminated pyrite. **Ref:** 122, p. 101.

Grand Coulee

(see Little Chief under silver)

Grand Summit

(see Palmer Summit)

Grandview

Loc: On Mt. Chopaka, Nighthawk dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 103.

Grandview (Leadville)

(see Leadville)

Granite Quartz

Loc: Palmer Mtn. dist. **Ore:** Gold. **Prod:** 1931. **Ref:** 97, 1931, p. 477.

Grant

(see Roosevelt under iron)

Gray Eagle (116)

Loc: Sec. 16, (40-30E), Myers Cr. dist. **Access:** Road from Chesaw. **Owner:** C. N. Bagwell, M. L. Pierce, Chas. Atchison, lessees, Loomis, Wash. (1941). Patrick Welch estate, Spokane, Wash. (1937). **Ore:** Gold. **Ore min:** Pyrite, free gold. **Deposit:** Small quartz veinlets filling fractures in altered granite rock. **Prod:** \$8,000 in 1916. 1936-1939. **Ref:** 58, p. 27. 97, 1916, 1921, 1923, 1924, 1935, 1937-1940. 104, 10/30/34, p. 22. 113, 4/15/37, p. 7. 158.

Gray Eagle (204)

Loc: NW¼SW¼ sec. 24, (30-22E), Squaw Cr. dist. **Access:** Road from Pateros, and ¾ mi. trail. **Ore:** Gold, copper. **Ore min:** Pyrite. **Deposit:** Lens of quartz 15 ft. long and 3 ft. wide at the center occurs in a shear zone in quartz diorite porphyry. **Dev:** Short adit and 2 open cuts. **Prod:** Amount not known. **Ref:** 58, p. 27. 63, p. 87. 158.

Great Divide (255)

(see under silver)

Great Metals

(see Anchor under silver)

Grubscher

(see Gubser under lead)

Grubstake (188)

(see also Holden-Campbell)

Loc: NE¼SW¼ sec. 10, (30-22E), Squaw Cr. dist. **Access:** 1½ mi up Vinegar Lk. trail from Squaw Cr. road. **Prop:** Part of Holden-Campbell group. **Owner:** S. J. Holden and A. C. Campbell, Chelan, Wash. (1943). **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Quartz vein in gneissic granitic rock. **Dev:** Adit, caved (1938). **Ref:** 158.

Gubser (216)

(see under lead)

Hanks (9)

(see under copper)

Harris

Loc: Myers Cr. dist. **Ore:** Gold. **Prod:** Amount not known. **Ref:** 58, p. 29.

Hart Stone

(see Kelsey under copper)

Harts Pass (Willman) (4)

Loc: Approx. sec. 13, (37-17E), on cirque wall at head of talus 3 mi. SW. of Harts Pass. **Owner:** Charles Willman, Winthrop, Wash. (1943). **Ore:** Gold. **Deposit:** An 8-in. quartz vein along a hydrothermally altered shear zone in arkose and shale. **Dev:** 35-ft. adit. **Assays:** Said to run \$8 to \$22 Au. **Ref:** 158.

Hattie

Loc: On Elmer Mtn., Twisp dist. **Prop:** 3 claims. **Owner:** Twisp River Mining & Milling Co. (1897). **Ore:** Gold, silver. **Ref:** 63, p. 92.

Hehe

Loc: Myers Cr. dist. **Ore:** Gold, silver. **Ref:** 63, p. 110.

Henrietta (194)

Loc: Sec. 11, (30-22E), Squaw Cr. dist. **Prop:** 4 claims. **Owner:** J. M. Woollery (1902). **Ore:** Gold, silver, copper. **Deposit:** Vein from 3 to 5 ft. wide. **Dev:** 120-ft. adit, 40-ft. shaft. **Assays:** Av. \$24 Au, Ag, Cu. **Ref:** 88, p. 38.

Hercules (94)

Loc: NW¼ sec. 15, (38-25E), Palmer Mtn. dist. **Ore:** Gold, copper, silver. **Ref:** 63, p. 104.

Hiawatha (Josie) (54)

Loc: Near center N½ sec. 10, (39-26E), ¼ mi. NW. of and 300 ft. above the Triune mine, Wannacut Lk. dist. **Elev:** 3,200 ft. **Access:** Good road from Oroville. **Prop:** 6 claims, 3 of which are patented. **Owner:** Dell Hart & Sons, Oroville, Wash. (1938). Hiawatha Mining Co. (1934). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Auriferous galena, chalcopryrite, pyrite, sphalerite. **Deposit:** 4 quartz veins in argillite. The Hiawatha vein has been most developed. It av. 3 ft. in width and is traceable for 2,500 ft. Mineralization sparse. **Dev:** Two 80-ft. adits 80 ft. apart and connected by drift near the face. **Assays:** Av. of 22 assays was \$26 Au, 1 oz. Ag. One sample showed 9.5% Pb, 61.7 oz. Ag, 0.32 oz. Au. **Prod:** 1938. **Ref:** 46, p. 226. 54, p. 3. 97, 1934, p. 297; 1935, p. 353; 1939, p. 490. 154, p. 99. 158.

Hidden Treasure (246)

(see under copper)

Hidden Treasure (217)

(see under silver)

Hidden Treasure (Sunshine, Triangle) (196)

(see also Highland)

Loc: SE¼ sec. 11, (30-22E), Squaw Cr. dist. **Access:** 2 mi. of steep truck road from Squaw Cr. road. **Prop:** 6 claims. **Owner:** Part of the property owned by the Highland Mining & Milling Co. (1949). Hidden Treasure Mining & Milling Co. (1902-1909). Hidden Treasure Gold Mining Co. (1910). Triangle Gold Mining Co. (1931-1932). **Ore:** Gold, silver, copper. **Ore min:** Chalcopryrite, galena, sphalerite, pyrite, malachite. **Gangue:** Quartz, calcite. **Deposit:** 2- to 4-ft. vein in gneiss. **Dev:** 200-ft. adit, 260-ft. adit, 50-ft. winze, 80-ft. drift. **Assays:** 90 tons shipped prior to 1902 returned \$67 per ton. **Prod:** 90 tons prior to 1902. Produced 1939-1942. **Ref:** 33, 1907, p. 674; 1908, p. 788. 63, p. 86. 88, pp. 37-38. 97, 1907, 1908, 1910, 1924, 1930, 1934, 1935, 1940-1943. 106, 7/16/31, 2/18/32, 5/19/32. 116, no. 1, 1907, p. 17. 158.

Highland (Highland Light) (197)

Loc: E½ sec. 11 and W½ sec. 12, (30-22E), Squaw Cr. dist. **Access:** 2 mi. of steep truck road from the Squaw Cr. road. **Prop:** 7 claims: Highland Light, Hidden Treasure, Buckhorn, Lookout, Sailor Boy, V. O. B., California, Millsite. **Owner:** Highland Mining & Milling Co. (1948). **Ore:** Gold, copper, tungsten, zinc. **Ore min:** Pyrite, chalcopryrite, scheelite, sphalerite. **Deposit:** Several quartz veins; one, the Sailor Boy, has an av. width of 6 ft. and is exposed for length of 3,000 ft. **Dev:** Several old adits and shafts totaling 2,000 ft. **Assays:** 2 to 5 oz. Au, 1% to 9% Zn, and very small percentage of W. **Prod:** \$13,000 during 1938 to 1941 in gold and zinc. **Ref:** 37, p. 47. 63, p. 86. 88, p. 38. 97, 1940, p. 478; 1941, p. 474.

Highland Light

(see Highland)

Hill-Thomas

(see under silver)

Hilo

(see St. Paul under silver)

Holden-Campbell (189)

(see also Grubstake, Hunter, Okanogan)

Loc: Mainly secs. 10 and 11, (30-22E). Also along S. edge of secs. 2, 3, and 4, and N½ sec. 14. **Elev:** 3,000 ft. **Access:** Easily accessible from Methow highway by 4 mi. of road up Squaw and Grubstake Creeks. **Prop:** 29 claims. **Owner:** S. J. Holden and A. C. Campbell, Chelan, Wash. (1943). **Ore:** Gold, copper, tungsten. **Ore min:** Pyrite, chalcopryrite, molybdenite, scheelite. **Deposit:** Quartz veins in gneissoid diorite, among them the Hunter, the Okanogan, the Doris Barbara, the Bay Horse, the Ace of Diamonds, and the Esther veins. **Dev:** More than 1,100 ft. of underground workings and several surface cuts. **Assays:** Est. ¼% scheelite. **Prod:** Considerable gold ore. **Ref:** 37, pp. 45-47. 63, p. 87. 158.

Home Run (249)

(see under silver)

Homestake (218)

(see under lead)

Hoot Owl (235)

(see under molybdenum)

Horn Silver (34)

(see under silver)

Hotchkiss

(see Mazama Pride)

Hudnut (Hudnutt) (253)

(see under zinc)

Hunter (192)

(see also Holden-Campbell)

Loc: NW¼ sec. 11, (30-22E), Squaw Cr. dist. **Prop:** 1 claim. Part of present Holden-Campbell property (1949). **Owner:** S. J. Holden and A. C. Campbell (1949). **Ore:** Gold, silver, copper, tungsten. **Ore min:** Chalcopryrite, pyrite, scheelite. **Deposit:** Quartz vein a few inches to 5 ft. wide adjacent to basalt dike in diorite. **Dev:** 660-ft. adit, 135-ft. adit, and a caved adit. Also some open cuts. **Assays:** Av. reported in 1902 as \$32 Au, Ag, Cu. Also 0.4% to 0.6% WO₃. **Prod:** Small amount in 1940. **Ref:** 63, p. 87. 88, p. 39. 97, 1941, p. 474. 158.

Ida (134)

Loc: Secs. 21 and 28, (39-31E). **Prop:** 7 claims. **Owner:** Ole Aavestrud, Republic, Wash. (1938). **Ore:** Gold, silver. **Ref:** 158.

Idaho

(see under silver)

Imperial (Crown Point) (148)

Loc: NW¼ sec. 16, (36-20E). **Elev:** 3,700 ft. **Access:** About 5 mi. from Mazama on Goat Cr. road. **Prop:** 3 unpatented claims: Imperial, Calumet, Red Jacket. **Owner:** Mahlon McCain, Winthrop, Wash. (1946-1951). **Ore:** Gold, silver, copper. **Ore min:** Chalcopryrite, arsenopryrite, pyrite, pyrrhotite. **Deposit:** A silicified zone 20 to 25 ft. wide in quartzite is cut by a 1- to 3-ft. mineralized quartz vein. **Dev:** Inaccessible shaft 130 to 150 ft. deep, 25-ft. drift at collar of shaft, 400-ft. crosscut, 50-ft. shaft, 150-ft. drift, 2 other crosscuts, and a 10-ft. shaft. **Assays:** 1 ore shoot 100 ft. long shows from 0.16 to 0.95 oz. Au. Cu is est. at 3% to 4%. **Ref:** 150, p. 33. 158.

Independence (185)

Loc: SW¼ sec. 29, (31-22E), on divide between McFarland Cr. and S. Fk. Gold Cr. **Elev:** 2,550 ft. **Access:** 17 mi. by road and 1 mi. by trail from Pateros. **Prop:** At least 2 claims. **Owner:** Methow Mining & Milling Co. (1943). **Ore:** Gold, copper, molybdenum. **Ore min:** Pyrite, chalcopryrite, molybdenite. **Deposit:** 3-ft. quartz vein in gneissic diorite. **Dev:** Inclined shaft, 380-ft. adit. **Assays:** \$5 to \$10 per ton (1902). **Prod:** 1940, 1942. **Ref:** 88, p. 40. 97, 1941, p. 474. 158.

International

(see under copper)

Iron Cap

Loc: Wannacut Lk. dist. **Prop:** 1 claim. **Owner:** Oscar Nelson (1892). **Ore:** Gold, silver. **Ore min:** Hematite. **Gangue:** Quartz. **Deposit:** 7-ft. vein with slate hanging wall and limestone footwall. **Dev:** 55-ft. inclined shaft. **Assays:** Ore on dump assayed \$20 Au, Ag. **Ref:** 13, p. 103.

Iron Cap and Snow Cap (158)

Loc: Sec. 34, (35-18E), on cliffs S. of North Lk. and in the small basin ¼ mi. W. of the lake. **Elev:** 6,500 ft. **Access:** 5 mi. by trail up North Cr. from Gilbert. **Prop:** 2 claims. **Ore:** Gold, silver, copper. **Ore min:** Pyrite, arsenopyrite, pyrrhotite, chalcopryrite, sphalerite. **Deposit:** Quartz veins in diorite near its contact with greenstone. The Iron Cap vein is about 10 ft. wide and extends from North Lk. to the top of the sheer cliffs S. of the lake, a vertical distance of 500 ft. **Dev:** Adits. **Assays:** 3 shipments to the Tacoma smelter av. 1.27 oz. Au, 1.81 oz. Ag, 0.24% Cu. **Prod:** 3 shipments to the Tacoma smelter in 1940. **Ref:** 158.

Iron Crown

Loc: Twisp area. **Ore:** Gold, silver. **Ref:** 58, p. 33.

Iron Dike (240)

(see under zinc)

Iron Mask

(see Copper World Extension under copper)

Iron Master (86)

Loc: NW¼ sec. 17, (39-26E), Palmer Mtn. dist. **Ore:** Gold, silver. **Ref:** 63, p. 101.

Ironsides and Anna B. (123)

(see under copper)

Ivanhoe (62)

(see under silver)

Jackpot (124)

Loc: SE¼ sec. 23, (40-30E), Myers Cr. dist. **Owner:** Myers Creek Mining Co. (1911-1918). **Ore:** Gold, copper, silver. **Ore min:** Pyrite, pyrrhotite, chalcopryrite, magnetite. **Deposit:** 40-ft.-wide sulfide body in quartzite. **Ref:** 112, p. 193. 154, p. 47.

Japan

(see under copper)

Jessie (51)

(see also Triune)

Loc: Sec. 10, (39-26E), Wannacut Lk. dist. **Prop:** Part of Triune property. **Ore:** Gold. **Ref:** 12, p. 65. 13, p. 103. 63, p. 98.

Jim Dodd

(see Sheep Mountain under molybdenum)

John Arthur (213)

(see under silver)

John Judge

(see Leadville)

Jones (157)

(see under copper)

Josie

(see Hiawatha)

Juanita

Loc: Nighthawk dist. **Ore:** Gold, silver. **Ref:** 63, p. 102.

Judy

Loc: Palmer Mountain dist. **Ore:** Gold. **Prod:** 1937. **Ref:** 58, p. 35. 97, 1938, p. 459. 158.

Julia (20)

(see under lead)

Jumbo

Loc: Oroville area. **Owner:** Jumbo Gold Mining Co., Inc., Spokane, Wash. (1941). **Ore:** Gold, silver. **Ref:** 58, p. 35.

Junction

Loc: 2½ mi. W. of Nespelem. **Prop:** 1 claim. **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** Quartz vein in granite. **Dev:** Short adits. **Assays:** One sample showed 0.04 oz. Au, 1.40 oz. Ag. **Ref:** 158.

Just In Time (191)

Loc: Sec. 11, (30-22E), Squaw Cr. dist. **Ore:** Gold. **Ref:** 58, p. 35. 63, pp. 88-89.

Kaaba (28)

(see under lead)

Kaaba-Texas

(see Kaaba under lead)

Kelsey (42)

(see under copper)

Key (222)

(see under silver)

Keystone (219)

(see under silver)

Kimberly (59)

(see under lead)

King Solomon (29)

Loc: Sec. 13, (40-25E), Nighthawk dist. **Prop:** 3 claims: King Solomon Nos. 1, 2, and 5. **Owner:** Fred Davis, Spokane, Wash. (1938). **Ore:** Gold, silver, copper. **Ref:** 58, p. 37. 158.

Kodak

Loc: On NW. side of Palmer Mtn. **Prop:** 1 claim. **Owner:** F. W. Brown, J. Finn, and J. E. Waters (1892). **Ore:** Gold, silver. **Ore min:** Sulfides. **Gangue:** Quartz. **Deposit:** Vein said to be 45 ft. wide at surface with gneiss hanging wall and mica schist footwall. **Dev:** 20-ft. drift. **Assays:** Assays from dump and outcrop show 10 to 11 oz. Au, 80 to 90 oz. Ag. **Ref:** 13, p. 100.

Kyota (234)

(see under silver)

Lady of the Lake (225)

(see under silver)

Lacuna

(see Leuena under silver)

Lake

Loc: Myers Cr. dist. **Owner:** E. Kromer, Spokane, Wash. (1932). **Ore:** Gold. **Prod:** Small amount 1910. **Ref:** 104, 6/30/32, p. 28. 106, 6/2/32, p. 8.

Lakeview

(see Prize under lead)

Lakeview (43)

Loc: $\frac{1}{2}$ mi. W. of the Dividend property, Oroville dist. **Ore:** Gold. **Deposit:** Said to be a thick blanket-like body of ore parallel to slope of the hill. **Dev:** 2 adits. **Assays:** Reportedly 80,000 tons of \$6 to \$10 ore developed in 1916. **Prod:** 2 cars prior to 1916. **Ref:** 54, p. 9. 63, p. 103.

Lancashire Lass (73)

Loc: SE $\frac{1}{4}$ sec. 27, (39-26E), Wannacut Lk. dist. **Ore:** Gold. **Ref:** 63, p. 100.

Last Chance (205)

Loc: Sec. 24, (30-22E), Squaw Cr. dist. **Ore:** Gold, silver. **Assays:** 3 carloads av. \$39 per ton (1897). **Prod:** 3 carloads ore prior to 1897. **Ref:** 63, pp. 87-88.

Launa

(see Leuena under silver)

Leadville (John Judge, Denver City, Grandview) (89)

Loc: Near SW. cor. sec. 19, (39-26E), on W. face of Palmer Mtn. **Elev:** 2,500 to 3,000 ft. **Access:** Road from Loomis. **Prop:** 13 patented claims, including: Leadville, Denver City. **Owner:** Grandview Gold Mining Co. (1941). John Judge Mining Ass'n. (1938). **Ore:** Gold, copper, lead, silver. **Ore min:** Galena, pyrite, chalcoppyrite, free gold. **Gangue:** Quartz, calcite. **Deposit:** Veins of quartz 6 in. to 3 ft. wide along the contact of argillite and gabbro. Leadville vein traceable for 200 ft. in lower adit. Denver City vein is traceable for 1,000 ft. on the surface. Mineralization is sparse. **Dev:** 2,500 ft. of adits and shafts. **Prod:** 1937 (15 tons), 1938, 1939. **Ref:** 63, p. 100. 97, 1939, p. 490; 1940, p. 478. 114, no. 5, 1909, p. 80. 154, pp. 104-105. 158.

Leuena (214)

(see under silver)

Lilman (264)

(see under silver)

Little Chief (265)

(see under silver)

Little Chopaka (30)

(see under lead)

Little Falls (95)

Loc: NE $\frac{1}{4}$ sec. 15, (38-25E), Palmer Mtn. dist. **Ore:** gold. **Ref:** 63, p. 104.

Little Flower

(see Bambino)

Little Johnnie (260)

(see under silver)

London

(see Methow)

Lone Pine (36)

(see under silver)

Lone Star (144)

Loc: NW $\frac{1}{4}$ sec. 19, (36-20E), in Spokane Gulch. **Access:** 5 mi. from Mazama by way of Goat Cr. road. **Prop:** 6 or more claims. **Owner:** Tom Luke, Mazama, Wash. (1946). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** A silicified and oxidized shear zone 5 ft. in width. **Dev:** 15-ft. shaft, 2 open cuts, pit. **Assays:** 3 samples across the shear zone showed \$13 to \$17 Au. **Ref:** 51, p. 7. 158.

Lone Star (Star) (215)

(see under lead)

Louisa

(see Standard and Lousia)

Lucky Jim (156)

(see under copper)

Lucky Lady (101)

(see under silver)

Luke

(see Molly under copper)

Lulu

(see under silver)

McClure**Loc:** Twisp dist. **Ore:** Gold. **Ref:** 106, 7/31.**MacLean**

(see Roosevelt under iron)

Magnetic (125)

(see under iron)

Majestic**Loc:** Palmer Mtn. dist. **Ore:** Gold, silver. **Ref:** 63, p. 104.**Mammoth (22)**

Loc: NW $\frac{1}{4}$ sec. 26, (40-25E), Nighthawk dist. **Ore:** Gold. **Ref:** 63, p. 102.

Mammoth (220)

(see under silver)

Manuel

(see under copper)

Maquae

Loc: Oroville dist., T. 39 N., R. 26 E. **Prop:** 12 claims. **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Pyrite, galena, sphalerite, chalcoppyrite, manganese stain. **Gangue:** Quartz, calcite. **Deposit:** 3 or 4 quartz-calcite veins. **Dev:** Minor amount. **Ref:** 46, p. 222. 154, p. 100.

Marshal Ney

Loc: On Bear Cr., foot of Gilbert Mtn., Twisp dist. **Ore:** Gold, copper. **Ref:** 63, p. 91.

Mazama Pride (Hotchkiss) (154)

Loc: N $\frac{1}{2}$ sec. 30, (36-20E). **Elev:** 2,000 to 2,800 ft. **Access:** About $\frac{1}{2}$ mi. N. of Mazama, 56 mi. by road from railroad at Pateros. **Prop:** 9 unpatented claims. **Owner:** H. A. and Edgar Hotchkiss, Winthrop, Wash., and D. W. Tomlinson, Mansfield, Wash. (1946). Danlee Mining Co. (1931). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, arsenopyrite, chalcoppyrite. **Deposit:** 2 or 3 quartz veins 1 to 3 ft. thick in diorite. **Dev:** 525-ft. cross-cut, 80-ft. drift, 30-ft. drift, 15-ft. shaft, several open cuts. **Assays:** 37 tons shipped reportedly assayed 0.7 oz. Au. Other assays show 1.08 oz. Au, 1.50 oz. Ag. **Prod:** About 37 tons in 1931 and reportedly another shipment in 1939. **Ref:** 52, p. 11. 58, p. 42. 97, 1931, p. 477; 1940, p. 478. 106, 5/7/31; 5/21/31, p. 17; 7/2/31, p. 18. 158.

Mazama Queen (Continental) (149A)

Loc: SE $\frac{1}{4}$ sec. 14, (36-19E). **Elev:** 2,600 ft. **Access:** 3 mi. NW. of Mazama by road. **Prop:** 3 unpatented claims: Mazama Queen, K. D., Daisy; and 1 millsite. **Owner:** Leybold-Scales, Inc., Tacoma, Wash. (1946). Mazama Queen Mining Co. (1932). Continental Gold Silver Mining Co. (1932-1936). **Ore:** Gold, silver, copper, lead, zinc. **Ore min:** Pyrite, sphalerite, chalcoppyrite, galena. **Deposit:** An 8- to 10-in. quartz-calcite vein in altered andesite. **Dev:** 1,000-ft. adit. **Improv:** 50-ton flotation

plant, assay office, camp facilities for 15 to 20 men (1939). **Assays:** Ore said to range from \$10 to \$47 per ton. 4 samples showed 0.32 to 0.44 oz. Au, 1.74 to 4.30 oz. Ag, 8.5% to 10.0% Zn. **Prod:** Test shipments in 1938 and 1939. **Ref:** 97, 1939, p. 490; 1940, p. 478. 104, 5/30/32, p. 26; 4/30/35, p. 29; 12/15/35, p. 26; 2/15/36, p. 31. 106, 5/19/32; 7/7/32, p. 11. 158.

Methow (London, New London) (199)

(see also Roosevelt under gold, and Mineralite, Homestake under tungsten)

Loc: E½ secs. 12 and 13, (30-22E) and W½ secs. 7 and 18, (30-23E), on NE. slope of Hunter Mtn., Squaw Cr. dist. **Access:** Methow highway crosses E. end of property and is connected with W. end by truck road. **Prop:** At least 4 claims E. of Hunter Mtn. on W. side of Methow R. and at least 3 claims E. of the river. **Owner:** Methow Mining & Milling Co., Seattle, Wash. (1943-1946). Methow Gold & Copper Co. (1902-1924). **Ore:** Gold, silver, copper, tungsten. **Ore min:** Pyrite, chalcopryrite, scheelite. **Deposit:** Mineralized quartz veins from 3 in. to 15 ft. wide; among them the New London, Homestake, Mineralite, Roosevelt, Tungstic, Milwaukee. **Dev:** More than 2,200 ft. of underground workings, of which more than half are W. of the river, also numerous trenches and open cuts. **Assays:** Av. 0.44 oz. Au, 0.8 oz. Ag, 1% Cu, and a small amount of W. **Prod:** \$40,000 in gold in 1940-1941. **Ref:** 22, p. 8. 33, 1907, p. 784. 37, pp. 47-49. 63, p. 88. 88, p. 35. 98, 1918-1925. 158.

Mid Range (159)

Loc: Sec. 34, (35-18E), at head of North Cr. **Elev:** 6,000 to 7,760 ft. **Access:** About 5 mi. by trail N. of Gilbert, terminus of the Twisp R. road. **Prop:** 8 unpatented claims. **Owner:** Bill Johnson and Corvin Johnson, Winthrop, Wash. (1946). **Ore:** Gold, silver, copper, zinc. **Ore min:** Pyrite, arsenopyrite, pyrrhotite, chalcopryrite, sphalerite. **Deposit:** 2 mineralized quartz veins in diorite. **Dev:** Several adits and open cuts. **Assays:** Ore shipped in 1940 av. 1.27 oz. Au, 1.81 oz. Ag, 0.24% Cu. **Prod:** 10 tons shipped to Tacoma smelter in 1939 and 22 tons in 1940. **Ref:** 58, p. 44. 97, 1940, p. 478. 158.

Mills

Loc: Squaw Cr. dist. **Ore:** Gold, silver. **Prod:** Unknown amount prior to 1897. **Ref:** 63, p. 88.

Mineral Hill (Washington Consolidated, Seven Devils) (223)

(see under silver)

Minnehaha (221)

(see under silver)

Minnie (175)

Loc: NW¼ sec. 23, (32-22E), Twisp dist. **Elev:** 2,400 ft. **Access:** Road up Leecher Cr., 3½ mi. NE. of Carlton. **Prop:** 4 unpatented claims. **Owner:** Franklin C. Blocksom, Twisp, Wash. (1949—). **Ore:** Gold, silver, zinc. **Ore min:** Pyrite, sphalerite, chalcopryrite, scheelite, marcasite. **Gangue:** Quartz, gypsum, native sulfur. **Deposit:** Leached and honeycombed quartz vein av. 3 ft. wide in metamorphic rocks. **Dev:** 160-ft. adit on which is 55-ft. winze, 25-ft. drift, and 30-ft. stope, also several open cuts. **Improv:** House (1951). **Assays:** Carload of ore shipped in Nov. 1945: 0.46 oz. Au, 7.75 oz. Ag, net \$667.56. **Prod:** 2 carloads, one in 1941, one in 1945. **Ref:** 37, pp. 52-53. 43, 1918, p. 309. 68, p. 14. 97, 1918, p. 42. 158.

Minnie (68)

Loc: Eastern extension of the Anaconda claim in sec. 14, (39-26E), Wannacut Lk. dist. **Prop:** 1 claim. **Owner:** Messrs. Hall and George Pascall (1892). **Ore:** Gold. **Deposit:** 2-ft. vein. **Dev:** Shaft. **Assays:** \$22 Au. **Ref:** 13, p. 102.

Modoc (250)

(see under copper)

Molly (Sheep Mountain)

(see Sheep Mountain under molybdenum)

Molly (145)

(see under copper)

Molson

(see Poland China)

Moncosilgo (48)

(see under copper)

Moneymaker (239)

(see under silver)

Montana (266)

(see under silver)

Montana (147)

(see under copper)

Monterey (126)

(see under copper)

Morning Glory

Loc: Myers Cr. dist. **Ore:** Gold. **Prod:** 1940. **Ref:** 97, 1941, p. 474.

Mother Lode

(see Crystal Butte)

Mountain Beaver (8)

Loc: NW¼SE¼ sec. 15, (38-20E), on Isabella Ridge adjacent to Billy Goat prospect. **Elev:** 4,400 to 4,800 ft. **Access:** 27 mi. by road from Winthrop. **Prop:** 3 unpatented claims: Mountain Beaver, Buckhorn Nos. 1 and 2. **Owner:** H. A. and Edgar Hotchkiss, Winthrop, Wash., and D. W. Tomlinson, Mansfield, Wash. (1946). **Ore:** Gold, copper, silver, bismuth. **Ore min:** Pyrite, chalcopryrite. **Deposit:** Mineralized andesite agglomerate. **Dev:** 4 adits; one 275 ft. long, another with 200 ft. of work, 2 shorter ones. **Improv:** Cabin and small flotation mill (1949). **Assays:** Crude ore shipped av. 1.53 oz. Au, 1.13 oz. Ag, 1.81% Cu. Minor amount of bismuth reported. **Prod:** Small shipments in 1922, 1931, 1934, 1935. **Ref:** 97, 1931, p. 477; 1935, p. 354. 158.

Mountain Goat

Loc: On Gilbert Mtn., Twisp dist. **Ore:** Gold. **Ref:** 63, p. 90.

Mountain Lily

Loc: Squaw Cr. dist. **Ore:** Gold. **Ref:** 58, p. 46.

Mountain Sheep (15)

(see under silver)

Mule Deer

Loc: Conconully dist. **Ore:** Gold, silver. **Ref:** 113, 7/1/37, p. 16.

Multnomah (251)

(see under copper)

Myrtle

(see St. Paul under silver)

Neutral

(see Magnetic under iron)

New Deal

(see Antimony Queen under antimony)

New Hope (2)

(see under copper)

New London

(see Methow)

New York

(see Chicago and New York)

New York**Loc:** On Kruger Mtn., Oroville dist. **Ore:** Gold, copper. **Dev:** 12-ft. shaft. **Ref:** 63, p. 103.**Newport (270)****Loc:** Sec. 17, (30-31E), 1,200 ft. S. of Silver Cliff mine. **Owner:** Mr. Newport (1912). **Ore:** Gold. **Ore min:** Pyrite. **Gangue:** Quartz. **Deposit:** Mineralized fracture planes in sericitized granite similar to Silver Cliff mine. Max. 2½ ft. wide. **Dev:** Shaft, 175-ft. adit. **Ref:** 122, p. 76.**Nina Lu (267)**

(see under silver)

Ninety-Two (63)**Loc:** Sec. 21, (39-26E), Palmer Mtn. dist. **Ore:** Gold. **Ref:** 58, p. 48. 63, p. 100.**Nip and Tuck (201)****Loc:** Sec. 22, (30-22E). **Ore:** Gold. **Prod:** About \$480 by 1897. **Ref:** 58, p. 48. 63, p. 89.**Nip and Tuck (127)**

(see under copper)

No Monicker (Dorian) (228)**Loc:** Sec. 34, (35-25E), Ruby dist. **Owner:** Chas. McLean, Okanogan, Wash. (1941). **Ore:** Gold. **Ref:** 58, p. 48.**North Star (171)****Loc:** Sec. 24, (33-21E), Twisp dist. **Owner:** George Gibson, Twisp, Wash. (1941). **Ore:** Gold, silver. **Ref:** 58. 63, p. 89.**Northern Gold**

(see Bodie)

Number One (24)

(see under lead)

O. K. (44)

(see under copper)

Occident (55)

(see also Triune)

Loc: Sec. 10, (39-26E), Wannacut Lk. dist. **Prop:** Part of Triune property. **Ore:** Gold, silver. **Ref:** 12, p. 65. 13, p. 104.**Oceanic****Loc:** Palmer Mtn. dist. **Ore:** Gold, silver. **Ref:** 63, p. 104.**Okanogan (190)**

(see also Holden-Campbell)

Loc: W. of Hunter adit, secs. 10 and 11, (30-22E), Squaw Cr. dist. **Prop:** 1 claim of Holden-Campbell group. **Owner:** Holden-Campbell Mining Co. (1942). **Ore:** Gold, tungsten. **Ore min:** Scheelite. **Deposit:** Quartz vein as much as 8 ft. wide in granodiorite. Vein exposed on surface for at least 300-ft. length and 142-ft. depth. **Dev:** 160-ft. adit (caved 1942). **Assays:** Est. ¼% scheelite. **Ref:** 37, pp. 45-47. 158.**Okanogan Copper (104)****Loc:** Near NE. cor. sec. 20, (37-25E), on N. side of Sinlahekin Cr., Conconully dist. **Elev:** 2,100 ft. **Access:** Trail up Sinlahekin Cr. **Prop:** Group of claims. **Owner:** Okanogan Copper Co. (1917). **Ore:** Gold, copper. **Ore min:** Pyrite. **Gangue:** Quartz, gouge. **Deposit:** Shear zones in metamorphosed shales contain quartz stringers. Metamorphosed shales are heavily pyritized. Stringers and shales both said to carry gold. **Dev:** 500-ft. adit, 2 shorter adits. **Assays:** Said to carry gold and copper. **Ref:** 75, p. 35.**Okanogan Free Gold (Owasco, Allison) (49)****Loc:** SE¼NW¼ sec. 19, (40-27E), on N. side of Similkameen R. **Elev:** 1,200 ft. **Access:** 3 mi. N. of Oroville by road. **Prop:** 5 patented claims. **Owner:** Roy S. Meader, Oroville, Wash., and H. N. North, Omak, Wash. (1938-1941). United Mines Co. (1914). Owasco Gold Mining Co. (1915-1918). **Ore:** Gold, silver. **Ore min:** Pyrite, sphalerite, galena, free gold. **Deposit:** A quartz vein 0 to 12 ft. wide occurs in country rock of limestone, quartzite, and schist. Ore minerals are disseminated in the quartz. **Dev:** 3 adits, glory hole. **Assays:** 2 assays show \$3.92 and \$5.37 Au, Ag. **Prod:** 1914, 1918, 1936, 1938-1939. **Ref:** 54, pp. 4-5. 58, pp. 3, 52. 63, p. 102. 97, 1914, 1918, 1937, 1939-1940. 100, 1899, p. 80. 112, p. 196. 154, p. 87. 158.**Old Glory (244)**

(see under copper)

Olentangy (110)**Loc:** W. part of secs. 8 and 17, (40-30E), Myers Cr. dist. **Prop:** 4 patented claims. **Owner:** Olentangy Mining Co. (1907-1915). **Ore:** Gold, copper, lead, zinc. **Ore min:** Chalcopryrite, pyrite, traces of tetrahedrite, some arsenopyrite, sphalerite, galena. **Deposit:** Fault zone in calcareous quartzite consists of breccia cemented by ore-bearing quartz stringers. **Dev:** 160-ft. shaft with drifts on 100- and 150-ft. levels. **Assays:** Gold varies from traces to high grade. **Ref:** 46, p. 174. 97, 1907, p. 474. 98, 1918, p. 117. 154, pp. 51-52.**Opal (111)****Loc:** Sec. 20, (40-30E), Myers Cr. dist. **Ore:** Gold, copper, lead. **Ref:** 116, no. 4, 1907, p. 18.**Oregon**

(see also Washington)

Loc: Squaw Cr. dist. **Ore:** Gold. **Ref:** 63, p. 89.**Oregonian****Loc:** At head of North Cr., Twisp dist. **Ore:** Gold. **Ref:** 63, p. 90.**Orient****Loc:** Gilbert Mtn., Twisp dist. **Prop:** 4 claims. **Owner:** Orient Gold Mining & Milling Co. (1897). **Ore:** Gold, copper. **Ore min:** Free gold, sulfides. **Assays:** Mill test showed \$15 Au. **Ref:** 63, p. 91.**Oriental and Central**

(see American Flag)

Oro Fino (99)**Loc:** SE¼ sec. 23, (38-25E), Palmer Mtn. dist. **Ore:** Gold. **Ref:** 63, p. 104.**Oro Fino****Loc:** Wannacut Lk. dist. **Ore:** Gold, silver, platinum. **Ref:** 63, p. 101.**Osiola**

(see under copper)

Oversight (261)

(see under lead)

Overtop

(see Poland China)

Owasco

(see Okanogan Free Gold)

Palmer Lake (50)

(see under copper)

Palmer Mountain Tunnel (97)

Loc: NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 1, (38-25E), Palmer Mtn. dist., $\frac{1}{2}$ mi. N. of Loomis. **Elev:** 1,610 ft. **Prop:** 56 unpatented claims. **Owner:** Tillicum Development Co. (1912-1924). Palmer Mountain Gold Mining & Tunnel Co. (1902-1918). Palmer Mountain Tunnel Co. (1903-1918). Palmer Mountain Tunnel & Power Co. (1905-1908). Palmer Mountain Gold & Copper Co. (1908). Palmer Mountain Mining & Milling Co. (1908-1918). **Ore:** Gold, silver, copper, lead. **Ore min:** Malachite, pyrite, chalcopryrite, galena. **Deposit:** Quartz veins as much as 3 ft. wide in diorite and greenstone. Smaller veins contain much calcite. **Dev:** 6,610-ft. adit, and drifts aggregating 2,000 ft. An 800-ft. diamond-drill hole extends beyond face of main adit. **Assays:** 20-ft. sample from 3-ft. vein in tunnel 1,300 ft. from portal assayed 0.56 oz. Au, 0.28 oz. Ag. Other assays from \$1.80 to \$40 per ton. **Ref:** 33, 1908, p. 1099. 88, pp. 29-30. 98, 1918-1925. 100, 1903, p. 56. 104, 3/30/34, p. 25. 145, p. 95. 154, pp. 106-107. 158.

Palmer Summit (Grand Summit) (64)

Loc: SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 21, (39-26E), Palmer Mtn. dist. **Owner:** Dr. L. E. Eastman and F. C. Barber, Wenatchee, Wash. (1939-1941). **Ore:** Gold, copper, lead. **Ore min:** Pyrite, chalcopryrite, galena. **Deposit:** Narrow and sparsely mineralized quartz veins in gabbro. **Dev:** 50-ft. adit, a second adit, and a 40-ft. shaft. **Assays:** 50 tons av. \$20 Au. **Prod:** \$1,000 prior to 1897. 1937, 1939. **Ref:** 58, p. 52. 63, p. 100. 97, 1938, p. 459; 1940, p. 478. 158.

Panama (262)

(see under silver)

Parallel

Loc: Squaw Cr. dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 89.

Pateros

(see Sullivan)

Pay Day (163)

Loc: Sec. 11, (34-18E). **Elev:** 4,000 ft. **Access:** Just N. of Gilbert, terminus of Twisp R. road. **Prop:** 5 unpatented claims. **Owner:** F. C. Blocksom, Twisp, Wash., and Frank R. Reath, Seattle, Wash. (1946). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, pyrrhotite, chalcopryrite. **Deposit:** Shattered metamorphic rocks near a granitic intrusive rock are somewhat silicified and mineralized. **Dev:** 20- to 25-ft. shaft, several short adits, some open cuts. **Assays:** Assays over adit width show tr. to 0.03 oz. Au and a little Cu. **Ref:** 158.

Paymaster (202)

Loc: SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, (30-22E), Squaw Cr. dist. **Owner:** S. J. Holden and A. C. Campbell, Chelan, Wash. (1942). **Ore:** Gold. **Ore min:** Free gold, scheelite. **Deposit:** A vein 3 ft. wide composed of sheared granitic rock and quartz. Iron oxide bands from 1 to 3 in. wide on each wall of the vein carry free gold. **Dev:** 150-ft. shaft, 175-ft. adit. **Prod:** Some gold ore produced from the oxidized ore. **Ref:** 58, p. 53. 63, p. 88. 158.

Peacock (Bornite) (5)

(see under copper)

Peacock (227)

(see under silver)

Pendennis (117)

Loc: Sec. 16, (40-30E), Myers Cr. dist. **Owner:** Reco Mining & Milling Co. (1918). **Ore:** Gold, silver. **Ref:** 112, p. 200.

Pennington

(see Chelan)

Pennsylvania

(see under silver)

Peoria (169)

Loc: Sec. 22, (33-22E). **Access:** 32 mi. by road from railroad at Pateros. **Prop:** 32 acres deeded land. **Owner:** Julius C. Ramm, Nevada City, Calif. (1943). **Ore:** Gold, silver, copper, zinc. **Ore min:** Pyrite. **Deposit:** Sulfides impregnating argillite. **Dev:** 250 ft. of underground workings reported (caved 1943). **Ref:** 157.

Peterson

Loc: Myers Cr. dist. **Ore:** Gold. **Prod:** 1936-1938. **Ref:** 58, p. 54. 97, 1937-1939.

Phil Sheridan

(see Sheridan under silver)

Pingston

Loc: On Myers Cr., $1\frac{1}{2}$ mi. from Canadian boundary. **Ore:** Gold. **Ref:** 63, p. 110.

Pinnacle (85)

Loc: SW $\frac{1}{4}$ sec. 19, (39-26E) and sec. 25, (39-25E). **Elev:** 2,000 ft. **Access:** 3 mi. N. of Loomis on Palmer Lk. road. **Prop:** 6 claims. **Owner:** Pinnacle Mines, Inc., Renton, Wash. (1951). Pinnacle Gold Mine Co. (1909-1915). Silver-Lead Mining & Reduction Co. (1929). Sinlahakin Mining Co. (1931). Mary M. Mining Co. (1935). **Ore:** Gold, copper, lead, zinc, silver. **Ore min:** Free gold, pyrite, chalcopryrite, sphalerite. **Gangue:** Quartz, some calcite. **Deposit:** Quartz vein 4 to 10 ft. wide in altered gabbro and disseminated ore minerals in sheared gabbro. **Dev:** Approx. 2,000 ft. of workings in 3 adits. **Assays:** \$11 Au across the vein 4 to 10 ft. wide. **Prod:** \$200,000 prior to 1910 (gold). **Ref:** 99, 3/26/35. 106, 8/2/28, 10/1/31. 114, no. 5, 1909, p. 80. 150, p. 38. 154, p. 105. 158.

Poland China (Molson, Overtop) (108)

Loc: SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 11, (40-29E), Myers Cr. dist. **Elev:** 3,850 ft. **Access:** About 4 mi. NW. of Chesaw. 10 mi. to railroad at Mancaster. **Prop:** 11 patented claims, including the Charles F. and Kismet. Also 160 acres on which deed to mineral rights is held. **Owner:** Overtop Mining Corp., Molson, Wash. (1932-1940). Molson Mining Co. (1907-1918). Mary Ann Creek Mining Co. (1922). **Ore:** Gold, silver, lead. **Ore min:** Pyrite, marcasite, galena. **Deposit:** Quartz vein from a stringer to 14 ft. wide enclosed in graphitic argillite. Av. width 6 ft. **Dev:** 1,500 ft., consisting of a 436-ft. adit, various shafts, and crosscuts. **Assays:** Ore worked in 1911 av. about \$4.75 Au, 1 oz. Ag. 2 cars shipped in 1938 assayed \$13 Au. **Prod:** More than \$100,000 by 1936, 1937, at least 2 cars in 1938, 1939. **Ref:** 63, p. 110. 97, 1907, 1913, 1914, 1923, 1934, 1935, 1938-1940. 98, 1925, p. 1823. 104, 7/30/36, p. 25. 106, 7/30/32; 5/19/32; 7/21/32, p. 1; 7/30/32, pp. 28-29. 112, p. 192. 113, 4/15/37, p. 7. 116, no. 6, 1907, p. 33. 154, pp. 50-51. 158.

Poorman

(see under lead)

Porphyry

Loc: Due N. of Mt. Bonaparte, Myers Cr. dist. **Ore:** Gold. **Ref:** 63, p. 110.

Portland

Loc: Sec. 11, (34-18E), on Gilbert Mtn. **Prop:** 7 claims. **Owner:** Consolidated Twisp Mining & Milling Co. (1897). **Ore:** Gold. **Deposit:** 6-ft. quartz vein. **Dev:** 50-ft. adit, 10-ft. adit. **Assays:** High values reported. **Ref:** 58, p. 55. 63, p. 91.

Premier

Loc: Palmer Mtn. dist. **Ore:** Gold, lead. **Prod:** 1933. **Ref:** 97, 1934, p. 297.

Pride of the Hills

Loc: Twisp dist. **Ore:** Gold. **Ref:** 63, p. 86.

Prize (23)

(see under lead)

Pthomigan

(see under cobalt)

Pyrargyrite

(see Ruby under silver)

Q. S. (106)

(see under copper)

Rainbow (142)

Loc: Sec. 10, (36-19E). **Access:** 5 mi. NW. of Mazama by Goat Cr. road. **Prop:** 1 claim. **Owner:** Tom C. Luke, Mazama, Wash. (1946). **Ore:** Reportedly gold. **Ore min:** Pyrite. **Deposit:** Mineralized quartz along a narrow contact zone between conglomerate and a felsite dike. **Dev:** 40-ft. drift. **Ref:** 158.

Rainbow (65)

Loc: NE¼ sec. 22, (39-26E), between Palmer Mtn. and Wannacut Lk. **Elev:** 2,600 ft. **Access:** Road from Loomis or Golden. **Prop:** 5 claims: Rainbow, Mayflower, Coyote, Cottonwood, June Bug. **Owner:** Wannacut-Rainbow Mining Co. (1930). Washington Mining & Development Co. (1892). **Ore:** Gold, silver, copper, lead. **Ore min:** Pyrite, arsenopyrite, chalcopryrite, galena, malachite, limonite, free gold. **Deposit:** Vein consists of quartz lenses enclosed in limestone, quartzite, and schist. The lenses pinch and swell within short distances. **Dev:** 3 adits. **Assays:** Rich free gold samples assayed 50 to 60 oz. Au, 18 to 20 oz. Ag, 2% Cu, 2.9% to 3.5% Pb. **Prod:** Has produced. **Ref:** 12, p. 66. 13, p. 101. 54, p. 3. 63, p. 100. 106, 10/2/30. 154, p. 102.

Ramore (245)

(see under lead)

Ramsey (247)

(see under copper)

Rattlesnake (168)

Loc: SE¼ sec. 18, (33-22E), about ½ mi. S. of Twisp. **Elev:** 2,000 ft. **Prop:** Deeded land. **Owner:** A. T. Scott, Twisp, Wash. (1943-1946). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Pyrite, arsenopyrite, galena, sphalerite, chalcopryrite. **Deposit:** Narrow mineralized quartz veins in a fracture zone in altered volcanic rock. Fracture zone is 8 ft. wide and traceable for 250 ft. **Dev:** 22-ft. shaft, 20-ft. adit, several open cuts. **Assays:** A 2-in. section of vein assayed 0.89 oz. Au, 7.1 oz. Ag, 4.1% Pb, 4.9% Zn, 0.3% Cu. Minal widths show low gold-silver content. **Ref:** 158.

Reckless (132)

Loc: W. ¼ cor. sec. 35, (40-30E), Myers Cr. dist. **Owner:** Crystal Butte Co. (1916). **Ore:** Gold. **Ref:** 158.

Reco (118)

Loc: SW¼ sec. 16, (40-30E), ½ mi. N. of Chesaw, Myers Cr. dist. **Access:** Road. **Prop:** 2 claims: Reco, Pendennis. **Owner:** Reco Gold Mining Co., Bremerton, Wash. (1915-1938). Reco Mining & Milling Co. (1918). **Ore:** Gold, silver, copper. **Ore min:** Arsenopyrite, free gold, chalcopryrite, pyrite, marcasite, bornite. **Gangue:** Quartz, some calcite. **Deposit:** Veins 1 to 2 ft. wide in granitic rock. **Dev:** About 1,100 ft. in 3 adits, also some open cuts. **Assays:** Ore shipped said to av. \$20 per ton. **Prod:** 150 tons shipped to Northport smelter in 1916 and 1917. **Ref:** 58, p. 57. 97, 1914-1916, 1924. 106, 12/1/32. 112, p. 200. 158.

Red Jacket (100)

Loc: SE¼ sec. 14, (38-25E), Palmer Mtn. dist. **Ore:** Gold, silver. **Assays:** 2 tons returned \$80 (1892). **Ref:** 63, p. 104.

Red Shirt (170)

Loc: SE¼ sec. 18, (33-23E), on lower W. slope of Pole Pick Hill. **Elev:** 3,800 ft. **Access:** Road from Twisp. **Prop:** 1 patented claim: Red Shirt; 4 unpatented claims. **Owner:** John Russell and George M. Gibson, Winthrop, Wash., lessees, (1952). Red Shirt Mining Co. (1936-1938). Mahlon McCain, Winthrop, Wash. (1949). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopryrite, arsenopyrite. **Deposit:** Quartz vein, with a width of 1 to 5 ft., in schist. **Dev:** 100 ft. of drift from a 425-ft. crosscut and 375 ft. of drift from a 200-ft. crosscut. **Assays:** 35 oz. Ag, ½ oz. Au. Ore av. about \$10 per ton. **Prod:** Credited with more than \$100,000. Produced intermittently for 50 yr. Latest work in 1936 to 1938. **Ref:** 12, p. 69. 13, p. 113. 63, p. 85. 97, 1937-1939. 104, 9/30/36, p. 30. 158.

Reedy

(see Antimony Queen under antimony)

Review (119)

Loc: NW¼ sec. 16, (40-30E), Myers Cr. dist. **Owner:** Review Gold Mining Co. (1902). **Ore:** Gold, copper. **Ore min:** Pyrite, chalcopryrite. **Gangue:** Quartz, calcite. **Deposit:** Ore at contact of granite and slate. **Dev:** 360-ft. adit, 813-ft. adit. **Assays:** 50 tons shipped prior to 1902 av. \$17.50 per ton, largely in gold. **Prod:** 50 tons prior to 1902. **Ref:** 88, p. 27.

Riverside

Loc: Squaw Cr. dist. **Ore:** Gold, silver. **Ref:** 63, p. 88.

Riverview (21)

Loc: NE¼ sec. 26, (40-25E), Nighthawk dist. **Ore:** Gold. **Ref:** 63, p. 102.

Rock House

Loc: 7 mi. S. of Nespelem. **Owner:** Joseph C. Cross, Nespelem, Wash. (1939). **Ore:** Gold, silver, copper. **Ref:** 158.

Roosevelt (208)

(see also Methow)

Loc: SW¼NW¼ sec. 18, (30-23E), ¼ mi. E. of the Methow R., Squaw Cr. dist. **Elev:** 75 ft. above Methow R. **Owner:** Methow Mining & Smelting Co. (1930-1945). **Ore:** Gold, copper, tungsten. **Ore min:** Pyrite, chalcopryrite, scheelite. **Deposit:** Quartz vein associated with basaltic dike in gneissic granitic rock. It varies from less than 1 in. to 6 ft. thick and av. 2½ to 3 ft. Sulfides occur in pods on walls of the vein. Scheelite is in pockets and stringers throughout the vein. The vein is exposed in adits and on the surface for length of more than 700 ft. and depth of 400 ft. **Dev:** 665-ft. drift, a lower 240-ft. drift, both caved in 1938. **Assays:** Less than ¼% scheelite. Assays for the back 180 ft. of the lower adit av. 0.50% to 0.75% WO₃ over an av. width of 2 ft. Lower scheelite values in the upper adit. **Ref:** 37, p. 49. 40, p. 15. 97, 1929, p. 426; 1930, p. 673. 106, 4/3/30. 158.

Roosevelt (128)

(see under iron)

Rosalind (146)

Loc: N½ sec. 17, (36-20E). **Elev:** 3,500 ft. **Access:** About 5 mi. from Mazama by the Goat Cr. road. **Prop:** 2 unpatented claims. **Owner:** Tom C. Luke, Mazama, Wash. (1946). **Ore:** Gold, copper. **Ore min:** Pyrite, arsenopyrite, chalcopryrite. **Deposit:** A number of narrow fracture zones in diorite, some as much as 2 ft. wide, are mineralized in places. **Dev:** 1 adit with 400 ft. of drifts and crosscuts, and a 95-ft. adit. **Ref:** 158.

Ruby

(see under silver)

Ruby (Pyrargyrite) (18)

(see under silver)

Ruby Silver

(see under silver)

Rush (13)

Loc: Sec. 21, (40-25E), on steep face of Mt. Chopaka, Nighthawk dist. **Ore:** Gold, silver. **Ref:** 58, p. 60. 63, p. 103.

Russia

(see under copper)

Rustler (233)

Loc: S $\frac{1}{2}$ NW $\frac{1}{4}$ sec. 22, (32-25E), 3 mi. E. of Malott. **Ore:** Gold, molybdenum. **Ref:** 104, 4/30/33, p. 19. 106, 4/6/33, p. 7.

Safe Deposit

(see under copper)

Saint (37)

Loc: Sec. 2, (40-26E), Nighthawk dist. **Ore:** Gold, silver, arsenic. **Ref:** 40, p. 15.

St. Anthony (181)

Loc: SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 5, (30-22E), Squaw Cr. dist. **Access:** McFarland Cr. road, 12 mi. to railroad. **Prop:** 9 unpatented claims. **Owner:** Holden Gold Mines, Inc., Chelan, Wash. (1934). Squaw Creek Mining Co. (1931). **Ore:** Gold, silver, copper. **Ore min:** Free gold. **Gangue:** Quartz. **Deposit:** Vein in gneissic diorite is 5 ft. wide. **Dev:** Adit consisting of 90 ft. of crosscut and 125 ft. of drift, a shaft of unknown depth, and several open cuts. **Assays:** Ore from surface to 35-ft. depth said to run \$50 Au. **Prod:** 1934. **Ref:** 58, p. 64. 98, 1935, p. 354. 104, 7/15/33, p. 19; 12/30/33, p. 19. 106, 4/16/31. 158.

St. Lawrence (160)

Loc: Sec. 34, (35-18E), at head of North Cr., a tributary of Twisp R. **Prop:** 4 claims. **Ore:** Gold, silver, copper. **Deposit:** A 7½-ft. vein and a 30-ft. vein. **Dev:** A shaft, adit, and incline. **Assays:** Av. \$20 Au, Ag, Cu. **Ref:** 88, pp. 36-37.

St. Patrick (183)

Loc: Sec. 14, (30-22E), Squaw Cr. dist. **Ore:** Gold. **Ref:** 63, p. 88.

St. Paul (263)

(see under silver)

Salmon River (224)

(see under silver)

San Francisco

(see under lead)

San Francisco (33)

Loc: Secs. 18 and 19, (40-26E), Wannacut Lk. dist. **Ore:** Gold. **Ref:** 58, p. 60.

San Marino (268)

Loc: NW $\frac{1}{4}$ sec. 35, (31-30E), Nespelem dist. **Owner:** San Marino Mining & Milling Co. (1909). **Ore:** Gold, silver. **Ref:** 114, no. 5, 1909, p. 78.

Satellite

Loc: On Kruger Mtn., Oroville dist. **Ore:** Gold. **Dev:** 50-ft. drift. **Assays:** Av. \$10 Au. **Ref:** 63, p. 103.

Schoenfeld

(see Floyd under copper)

Schulz and Chesney (211)

Loc: Secs. 29 and 30, (30-23E), Squaw Cr. dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 89.

Second Prize

Loc: Oroville dist. **Prop:** 9 unpatented claims, including: Columbia, Second Prize. **Owner:** Charles Gerhart, Loomis, Wash. (1911). **Ore:** Gold. **Ore min:** Auriferous pyrite, arsenopyrite. **Deposit:** Quartz veins in schist, slate, and quartzite. One vein is 3 to 4 ft. wide with 10 in. of good ore on the footwall. Another vein is good at the surface but pinches out at depth of 35 ft. **Dev:** Several adits and shafts. **Ref:** 154, p. 104.

Security (80)

(see under copper)

Seven Devils

(see Mineral Hill under silver)

Sharp

(see Silver King under copper)

Shaw-Bergman

(see under copper)

Sheep Mountain (1)

(see under molybdenum)

Shelby

(see under silver)

Sheridan (138)

(see under silver)

Sherman (232)

(see under lead)

Sidewinder

Loc: On opposite side of Gold Cr. from the Crystalite property. **Prop:** 1 claim. **Owner:** John Runnels and Thomas Deaver (1892). **Ore:** Gold, silver, antimony, copper. **Deposit:** 4½-ft. vein said to be similar to the Crystalite but not as rich. **Ref:** 13, p. 115.

Silent Friend (56)

(see under silver)

Silver Bell (140)

Loc: Secs. 25 and 36, (38-31E) and secs. 30 and 31, (38-32E), 12 mi. NW. of Republic. **Prop:** 80 acres patented land and 8 claims: Silver Bell, Silver Bell No. 2, Uncle Sam No. 1, Uncle Sam Extension, Valley, Valley Extension. **Owner:** New Silver Bell Mining Co., Inc., Almira, Wash. (1949—). **Ore:** Gold, silver. **Deposit:** 2 ore shoots reported. **Dev:** 340-ft. adit. **Assays:** \$3.28 to \$28 per ton reported from one ore shoot. **Prod:** High-grade ore reported shipped from surface pit prior to 1907. In 1940 a 28-ton shipment gave net smelter returns of \$244.03. **Ref:** 58, 68, p. 14. 158.

Silver Bluff

(see under silver)

Silver King (155)

(see under copper)

Silver Ledge (177)

Loc: Near center sec. 11, (31-21E), ¼ mi. downstream from Antimony Queen mine. **Elev:** 300 ft. above Gold Cr. **Access:** 4 mi. by road up Gold Cr. from Methow highway. **Prop:** 3 claims: North Star, Truax, Seattle. **Owner:** Silver Ledge Mining Co. (1920-1931). **Ore:** Gold, silver. **Ore min:** Pyrite, arsenopyrite, silver sulfide, cerargyrite, bromyrite. **Deposit:** Quartz veins in sandstone and shale. Vein at collar of shaft is in a 5-ft shear zone and consists of 2 parts, one 1½ ft. wide at footwall and the other 4 in. wide on hanging wall. **Dev:**

150-ft. inclined shaft, 1,500-ft. crosscut. **Assays:** 2 tons shipped av. \$20 per ton. **Prod:** 2 tons of unsorted ore prior to 1921. **Ref:** 98, 1922-1926. 104, 12/15/31, p. 29. 113, 7/34. 129, p. 259. 158.

Silver Mountain (102)

(see under silver)

Silver Queen

(see Lucky Lady under silver)

Silver Seal

(see Antimony Queen under antimony)

Silver Star

(see Silver Mountain under silver)

Silver Star

(see under silver)

Six Eagles

(see Little Chopaka under lead)

Snow Cap

(see Iron Cap and Snow Cap)

Sonny Boy (231)

(see under silver)

Spokane (American Rand) (57)

Loc: Near center E½ sec. 10, (39-26E), above NW. shore of Wannacut Lk. **Access:** Good road from Oroville. **Prop:** 13 patented and 3 unpatented claims. **Owner:** American Rand Corp. (1935-1938). Morgan Mines Co. (1916-1918). Oroville Gold Mining Co. (1934). **Ore:** Gold, silver, lead, copper, molybdenum. **Ore min:** Pyrite, galena, chalcopryrite, molybdenite, reportedly free gold. **Deposit:** Quartz vein 15 in. wide in argillite a short distance above a granite contact. Ore minerals occur in fractures in the quartz. Pyrite disseminated in the wall rock. **Dev:** 100-ft. inclined shaft from which short drifts have been driven. **Assays:** Ore from adit: 8 oz. Au, 2 oz. Ag. From shaft: 7.5 oz. Au, 2 oz. Ag. From dump: 7.5 oz. Au, 2.5 oz. Ag. 1.05% molybdenum reported. **Prod:** 1916-1918, 1935-1938. **Ref:** 12, p. 66. 13, p. 104. 63, pp. 99-100. 97, 1916-1918, 1935, 1937, 1939. 104, 2/15/35, p. 23; 6/30/36, p. 25. 154, p. 98. 158.

Spokane (Gold Crown) (166)

Loc: Sec. 12, (33-21E). **Access:** On Twisp R. road, 2 mi. W. of Twisp. **Prop:** 2 unpatented claims. **Owner:** Monterey Mining & Milling Co., Twisp, Wash. (1954—). S. J. Sherwood, Twisp, Wash. (1946). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Sphalerite, arsenopyrite, chalcopryrite, pyrite, galena. **Deposit:** Irregular quartz-calcite vein from few inches to 3 ft. thick in andesite. Ore minerals occur in bunches in vein. **Dev:** Several hundred ft. of crosscuts and drifts and some stopes. **Assays:** 6 tons shipped in 1941 assayed 0.40 oz. Au, 20.25 oz. Ag, 4.5% Zn, 3.8% Pb. **Prod:** Small amount in 1939, 1941, and 1954. **Ref:** 1, no. 2, 1917, p. 29. 58, pp. 24, 64. 88, p. 36. 97, 1940, p. 478. 105, no. 3, 1906, p. 46. 158.

Standard

Loc: Conconully dist. **Ore:** Gold. **Ref:** 13, p. 97. 63, p. 100.

Standard (Sherman)

(see Sherman under lead)

Standard and Louisa (195)

Loc: Sec. 12, (30-22E), Squaw Cr. dist. **Ore:** Gold, silver, copper. **Deposit:** 3½- to 5-ft. vein. **Dev:** Small amount. **Assays:** Av. \$24 per ton. **Ref:** 63, p. 88. 88, p. 38.

Star

(see Lone Star under lead)

Stone

(see Kelsey under copper)

Submarine

(see Lone Pine under silver)

Sullivan (Pateros)

Loc: 5 mi. NW. of Pateros, on E. side of Methow R. **Access:** Mine is across Methow R. from highway, by which it is 5 mi. to railroad at Pateros. **Prop:** 5 claims: Friday, Saturday, Key, Lone Pine, Prince of Paris. **Owner:** J. J. Sullivan, Pateros, Wash. (1947), leasing to Dr. Roy W. Key (1940-1947). Pateros Mining Co. (1943). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopryrite. **Gangue:** Quartz, carbonate minerals. **Deposit:** Sheared zones up to 6 ft. thick but av. less than 3 ft. in granite along margins of "andesite" dikes contain small scattered pods of shipping-grade ore. **Dev:** 1,200 ft. of underground workings on 3 levels. A block of ore 75 ft. long, 30 ft. high, and up to 6 ft. thick was stoped above the upper adit in early days. **Assays:** \$6 to \$30 per ton, mostly in gold. 7 tons shipped in 1940 showed 0.63 oz. Au, 0.80 oz. Ag, 0.17% Cu. **Prod:** Reported 60 carloads of ore prior to 1897 valued at \$72,000. 1940, 1941. **Ref:** 157. 158.

Summit (77)

(see also Alice)

Loc: Sec. 30, (39-26E), on summit of Palmer Mtn. **Access:** 12 mi. by road to railroad at Tonasket. **Prop:** 1 patented claim: Summit; 7 unpatented claims: Edgeworth, Latakin, Copenhagen, Nicotine, Velvet, Half-and-Half, Tuxedo. **Owner:** R. D. Heffernan, Tonasket, Wash. (1949). Grand Summit Mining Co. (1936-1939). **Ore:** Gold, silver. **Ore min:** Free gold. **Gangue:** Quartz. **Deposit:** 2 veins. **Dev:** 3 shafts totaling 420 ft., 5 adits totaling 1,200 ft. **Assays:** Av. about \$20. Mill recovered \$1,538 from 85 tons in 1937. **Prod:** 1937 (\$1,900), 1938. **Ref:** 52, p. 5. 104, 11/15/36, p. 27. 113, 11/25/36, p. 18. 158.

Summit (31)

(see under silver)

Summit (243)

(see under lead)

Sunnyside

Loc: Palmer Mtn. dist. **Ore:** Gold, silver. **Ref:** 63, p. 104.

Sunshine

(see Hidden Treasure)

Sunshine Chief

(see Chief Sunshine under silver)

Surprise (269)

(see under silver)

Teddy Roosevelt

(see Roosevelt under iron)

Thomas

(see Hill-Thomas under silver)

Three Links

Loc: Summit of Twisp Pass, Twisp dist. **Prop:** 3 claims. **Owner:** Three Links Gold Mining Co. (1897). **Ore:** Gold, silver, copper. **Ore min:** Sulfides. **Assays:** \$4 to \$12 Au, 2½ oz. Ag, 4% Cu. **Ref:** 63, p. 91.

Tom Hal

(see Friday)

Treasury

Loc: On Aeneas Mtn. **Ore:** Gold. **Ref:** 58, p. 69. 63, p. 105.

Triangle

(see Hidden Treasure)

Trinidad

(see Central under silver)

Trinity (47)

Loc: NE¼ sec. 28, (40-26E), Wannacut Lk. dist. **Prop:** 4 claims. **Owner:** Trinity Gold & Silver Mining Co. (1907-1911). **Ore:** Gold, silver. **Deposit:** Irregular lenses of somewhat mineralized quartz occur in calcareous shale. **Dev:** 200-ft. adit, 40-ft. shaft. **Ref:** 116, no. 6, 1907, pp. 16, 32. 154, p. 99.

Triune (Crescent) (58)

(see also Jessie, Occident)

Loc: NE¼ sec. 10, (39-26E), ½ mi. NW. of the Kimberly property, Wannacut Lk. dist., ½ mi. W. of the old post office at Golden. **Elev:** 2,300 ft. **Prop:** 5 claims including Triune, Jessie, Occident. **Owner:** Dell Hart, Oroville, Wash. (1947—). Washington Consolidated Mining Co. (1905). Triune Power & Reduction Co. (1911). Dell Hart & Sons Mining Co. (1938). G. O. F. Triune Mining Co. (1939). **Ore:** Gold, silver, lead, copper. **Ore min:** Pyrite, galena, chalcopryrite, molybdenite, free gold, malachite, azurite. **Deposit:** At least 4 quartz veins varying in width from a stringer to 10 ft. occur in argillite a short distance above intrusive granite. The granite is sericitized and kaolinized. **Dev:** 140-ft. shaft with adit on lower level together with drifts total more than 2,000 ft. **Assays:** Early assays \$10 to \$40 per ton. An av. of 4,000 tons of tailings gave 0.01 oz. Au, 0.3 oz. Ag. Sample of 3 ledges on S. side of gulch (veins from 4 to 10 ft. wide) assayed 0.32 oz. Au, 0.4 oz. Ag. 5 ft. of ore on N. side of gulch assayed 0.03 oz. Au, 0.5 oz. Ag. **Prod:** More than \$300,000 prior to 1938, 1939. **Ref:** 12, p. 65. 13, p. 104. 51, p. 11. 63, p. 99. 88, p. 31. 98, 1905, p. 336; 1934, p. 297; 1939, p. 490. 106, 11/3/32, p. 9. 108, 10/39, p. 31. 154, pp. 97-98. 158.

Tuesday (209)

Loc: Sec. 20, (30-23E), Squaw Cr. dist. **Ore:** Gold. **Ref:** 63, p. 88.

Twin Pine (252)

(see under zinc)

Twisp View (172)

Loc: S½ sec. 13 and N½ sec. 24, (33-21E). **Elev:** 2,800 to 2,900 ft. **Access:** 4 mi. from Twisp by road. **Prop:** 2 unpatented claims. **Owner:** George Gibson, Twisp, Wash. (1951). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Pyrite, sphalerite, galena, a little chalcopryrite. **Deposit:** A 1- to 3-ft. quartz vein in altered volcanic rock. **Dev:** 250-ft. drift caved at the portal, 35-ft. shaft. **Assays:** 0.09 to 0.18 oz. Au, 1.5 to 17.3 oz. Ag over minable widths. **Ref:** 150, p. 41. 158.

Uncle Sam

(see under silver)

Utica (96)

Loc: NW¼ sec. 26, (38-25E), Palmer Mtn. dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 104.

Valley View (149)

Loc: Secs. 23 and 24, (36-20E), Mazama dist. **Owner:** Mazama Gold Mines Consolidated, Inc. (1938). **Ore:** Gold, silver. **Ref:** 158.

Virginia

Loc: Galena area, adjacent to Black Huzzar group, Conconully dist. **Prop:** 1 claim. **Owner:** Isaac H. Durboraw, Tacoma, Wash. (1892). **Ore:** Gold, silver. **Assays:** \$30 Au, 5 oz. Ag. **Ref:** 13, p. 112.

Wannacut Lake (45)

Loc: Sec. 31, (40-26E), Wannacut Lk. dist. **Prop:** 13 claims. **Ore:** Gold. **Deposit:** 5 ft. of ore. **Dev:** At least 900 ft. **Ref:** 158.

War Eagle (81)

(see also Alice)

Loc: SE¼ sec. 36, (39-25E), on Palmer Mtn. **Prop:** 1 claim. **Owner:** R. D. Heffernan, Tonasket, Wash. (1949). **Ore:** Gold, copper, silver. **Ore min:** Free gold. **Deposit:** 5-ft. quartz vein. **Dev:** 100-ft. adit, two 70-ft. drifts. **Assays:** Ore av. about \$18 Au, Cu, Ag. Values chiefly in Au. **Prod:** Has produced. **Ref:** 12, p. 63. 13, p. 99. 52, p. 5. 63, p. 98. 88, p. 31.

War Eagle

(see under silver)

Warsaw

Loc: Oroville dist. **Ore:** Gold, silver. **Ref:** 63, p. 102.

Wasco (241)

(see under silver)

Washington (210)

(see also Oregon)

Loc: Center N½ sec. 18, (30-23E), on E. side of the Methow R., Squaw Cr. dist. **Elev:** 1,500 ft. **Prop:** 3 claims: Washington, Idaho, Oregon. **Owner:** Washington Homestake Mining Co., Seattle, Wash. (1943). **Ore:** Gold, copper, tungsten. **Ore min:** Pyrite, chalcopryrite, scheelite. **Deposit:** Quartz vein from 1 to 3 ft. wide and av. 1½ to 2 ft. wide. Scheelite is pockety. **Dev:** 360-ft. adit caved about 120 ft. from face, and a caved shaft. **Assays:** Scheelite about ¼%. **Ref:** 22, p. 12. 37, p. 50. 63, p. 87. 158.

Washington Consolidated

(see Mineral Hill under silver)

Wauconda (141)

Loc: SE¼ sec. 7, (37-31E), Wauconda dist. **Prop:** 32 claims, 22 of which are near the old town of Wauconda, and 10 are 3 miles distant. **Owner:** Wauconda Gold Mining Co. (1901). **Ore:** Gold. **Deposit:** 5 ledges as much as 152 ft. wide with quartz veins up to 40 ft. wide in argillite. **Dev:** Crosscuts and drifts aggregating more than 1,450 ft. (1902). **Assays:** Av. \$12 per ton prior to 1902. **Prod:** Probably has produced. **Ref:** 88, pp. 25-26, 116-118.

Wehe (71)

Loc: NE¼ sec. 26, (39-26E), Palmer Mtn. dist. **Ore:** Gold, silver. **Ref:** 58, p. 72. 63, p. 101.

Western Star (129)

(see under copper)

Whiskey Hill

Loc: Eastern foot of Palmer Mtn., 9 mi. from Loomis, near Wannacut Lk. **Prop:** 21 claims. **Ore:** Gold. **Dev:** 170-ft. shaft, 730-ft. adit. **Assays:** Av. \$7.50 Au. **Ref:** 63, p. 98. 88, pp. 31-32.

Whitestone (136)

Loc: Sec. 34, (39-30E), on S. slope of Strawberry Mtn., Wauconda dist. **Owner:** Whitestone Mining Co. (1938). **Ore:** Gold, silver, lead, zinc, antimony. **Ore min:** Galena, sphalerite, tetrahedrite. **Deposit:** Limestone beds with low dips are mineralized on tops and bottoms and along stringers cutting the beds. **Prod:** 1938. Produced intermittently 1918-1938. **Ref:** 58, p. 73. 97, 1939, p. 490. 158.

Willman

(see Harts Pass)

Windfall

(see under silver)

Windsor

(see Detroit-Windsor)

Wolverine (162)

Loc: Secs. 2 and 11, (34-18E), on S. side of Gilbert Mtn. **Elev:** 3,500 ft. **Access:** 1 to 2 mi. NW. of the end of the Twisp R. road. **Prop:** 8 unpatented claims. **Owner:** W. L. La Motte, Twisp, Wash. (1946). **Wolverine Mining Co.** (1931). **Ore:** Gold, silver, copper, nickel. **Ore min:** Pyrite, nickeliferous pyrrhotite, sylvanite (?), chalcopyrite. **Deposit:** Granitic rock laced by a number of quartz veins from 1 to as much as 60 in. thick but mostly less than 12 in. Parts of the veins are mineralized. **Dev:** 3 or 4 drifts 20 to 50 ft. long and several open cuts. **Assays:** Assays show erratic gold content from a tr. to as much as several oz. over narrow widths. **Ref:** 106, 5/21/31, p. 17. 158.

Wyandotte (14)

Loc: SW¼ sec. 15, (40-25E), Nighthawk dist. **Ore:** Gold, silver. **Prod:** Crushed a few tons in an arrastre and shipped 1 ton of ore. **Ref:** 63, p. 102.

Yakima (115)

(see under copper)

Yellow Girl

(see under copper)

ACIFIC COUNTY**Chetlo Harbor (1)**

(see also Chetlo Harbor under iron)

Loc: ½ mi. from highway, on beach along Chetlo Harbor peninsula at mouth of Naselle R. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Vein 3 ft. wide extends about 300 ft. along beach. **Ref:** 158.

END OREILLE COUNTY**Ace High (8)**

(see under silver)

Best Chance

(see Rainbow under copper)

Blazing Star

Loc: Summit dist. **Ore:** Gold, silver. **Deposit:** 36-in. pay-streak in 8-ft. vein. **Assays:** \$190 Au, 10 oz. Ag (1897). **Ref:** 63, p. 45.

Blue Jim (15)

(see under silver)

Bornite (30)

(see under copper)

Bromide

(see La Sota under silver)

Calispell (25)

(see under copper)

Campbell (27)

(see under copper)

Champagne-Hoosier

(see Hoosier under copper)

Cliff (2)

(see under zinc)

Copper Queen (1)

(see under copper)

Cougar (7)

(see under copper)

Deemer (5)

Loc: Sec. 2, (39-45E), Metaline dist. **Access:** Road. **Prop:** 5 unpatented claims. **Owner:** Jack Doyle, Metaline Falls, Wash. (1941). **Ore:** Gold, silver. **Deposit:** Quartz vein from a few

in. to 4 ft. in width is said to carry gold and silver. **Dev:** 200 ft. of adits and numerous open cuts, mostly caved. **Ref:** 29, p. 38.

Eagle

(see Ries under lead)

Fairview Copper

(see Skippy and Queen Bess under lead)

Farmer Jones

Loc: In Pine Canyon, 4 mi. from Newport. **Access:** 15 mi. by road to railroad at Newport. **Owner:** F. L. Minnick, Spokane, Wash. (1940). **Ore:** Gold. **Dev:** 40-ft. adit. **Improv:** 15-ton amalgamation mill (1940). **Prod:** 1940. **Ref:** 158.

Fissure

(see under silver)

General MacArthur (31)

(see under lead)

Gilbert (33)

Loc: Sec. 24, (31-44E), Newport dist. **Prop:** 160 acres of deeded land. **Owner:** Gilbert Fellen, Newport, Wash. (1941). **Ore:** Gold. **Deposit:** Said to be a gold-bearing quartz vein 6 in. wide which has been traced for 200 ft. on the surface. **Dev:** Caved open cuts. **Ref:** 29, p. 73.

Glass

(see General MacArthur under lead)

Gold Arrow

(see Ries under lead)

Gold Coin-Hardtack (26)

(see under silver)

Golden Anchor

(see Ries under lead)

Grandview (Reuther) (4)

(see under silver)

Gray Eagle

(see Hawkeye-Gray Eagle-Last Chance under copper)

Gypsy (6)

(see under copper)

Hansen (36)

Loc: Sec. 14, (30-43E), Newport dist. **Access:** 1 mi. from road. **Prop:** 160 acres of deeded land. **Owner:** Mr. Hansen, Elk, Wash. (1941). **Ore:** Gold, lead, zinc, copper. **Deposit:** Fracture zone said to be impregnated with narrow mineralized quartz stringers. Zone is 20 ft. wide. **Dev:** Inclined shaft, caved. **Ref:** 29, pp. 74-75.

Hardrock Thomas (20)

(see under copper)

Hardtack

(see Gold Coin-Hardtack under silver)

Hawkeye-Gray Eagle-Last Chance (28)

(see under copper)

Holneck

(see Bornite under copper)

Hoosier (12)

(see under copper)

Huffman

(see Mule Deer under lead)

Independence (29)

(see under silver)

Isabelle (19)

Loc: SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 26, (34-44E), Newport dist. **Access:** Road. **Prop:** 1 unpatented claim. **Owner:** Axel E. Walgren, Newport, Wash. (1941). **Ore:** Gold, silver, copper. **Ore min:** Chalcopyrite, azurite, pyrite, polybasite. **Deposit:** Said to be a mineralized quartz vein which varies from a few in. to 4 ft. in width. Vein has been exposed for 70 ft. in one adit. **Dev:** 65-ft. adit, 75-ft. adit, both caved. **Assays:** High-grade ore assayed in 1921 showed \$15.00 Cu, \$3.00 Au, \$2.00 Ag. Representative sample showed 0.4% Pb, 0.6% Zn, 0.2 oz. Ag. **Ref:** 29, p. 68. 139, p. 45.

Katydid

(see Ries under lead)

La Sota (16)

(see under silver)

Last Chance

(see Hawkeye-Gray Eagle-Last Chance under copper)

Little Noisy (11)

(see under zinc)

McCann (21)

(see under copper)

Midas

(see Ries under lead)

Mule Deer (17)

(see under lead)

Nevell (37)

Loc: Sec. 24, (30-43E), Newport dist. **Access:** On main highway. **Prop:** 160 acres of deeded land. **Owner:** George Nevell, Locke, Wash. (1941). **Ore:** Gold, silver, tungsten. **Deposit:** Said to be a mineralized quartz vein with an av. width of 18 in. **Dev:** 15-ft. shaft. **Ref:** 29, p. 73.

O. K. (14)

(see under silver)

Oriole (13)

(see under zinc)

Pat (9)

(see under lead)

Prouty (10)

(see under silver)

Queen Bess

(see Skippy and Queen Bess under lead)

Rainbow (22)

(see under copper)

Reidt (34)

(see under copper)

Reuther

(see Grandview under silver)

Ries (32)

(see under lead)

Rocky Creek (16A)

(see under silver)

Silver Crest

(see La Sota under silver)

Silverado

(see Z Canyon under lead)

Skippy and Queen Bess (18)

(see under lead)

Snyder (23)

(see under copper)

Star (Independence)

(see Independence under silver)

Star (Campbell)

(see Campbell under copper)

Sunrise (35)

Loc: Sec. 22, (30-44E), Newport dist. **Access:** Road. **Prop:** 160 acres of deeded land. **Owner:** C. A. Vanderholm, Camden, Wash. (1941). **Ore:** Gold, silver. **Deposit:** Quartz vein from a few in. to 3 ft. in width is said to carry values in gold and silver. **Dev:** 250 ft. of adit and shaft, caved (1941). **Improv:** Several buildings (1941). **Assays:** Handpicked sample assayed \$10.50 per ton. **Ref:** 29, p. 72.

Victory (24)

(see under copper)

West

(see Blue Jim under silver)

Wold (38)

Loc: NE $\frac{1}{4}$ sec. 24, (30-43E), Newport dist. **Access:** $\frac{1}{4}$ mi. from road. **Prop:** 80 acres of deeded land. **Owner:** I. Wold, Elk, Wash. (1941). **Ore:** Gold. **Deposit:** Said to be a 10-in. quartz vein which carries values in gold. **Dev:** Open cut. **Ref:** 29, p. 75.

Z Canyon (3)

(see under lead)

PIERCE COUNTY

Bear Gap

(see Fife under Yakima County)

Black Hawk (10)

Loc: SE $\frac{1}{4}$ sec. 34, (17-10E), Summit dist. **Ore:** Gold. **Ore min:** Free gold. **Deposit:** Vein. **Ref:** 63, p. 46.

Blazing Star

Loc: Summit dist. **Owner:** Alexander McNicol and M. B. Compton. **Ore:** Gold, silver. **Ref:** 63, p. 45. 158.

Blue Bell

(see Fife under Yakima County)

Blue Grouse and Sure Thing (5)

Loc: NE $\frac{1}{4}$ sec. 36, (17-10E), Summit dist. **Ore:** Gold, silver. **Deposit:** Series of parallel veins. **Assays:** \$3 to \$51 Au, 31 oz. Ag. **Ref:** 63, p. 45.

Blue Star

(see under copper)

Boston

Loc: On Gold Hill, Summit dist. **Ore:** Gold, silver. **Assays:** \$13.20 Au, \$1.20 Ag. **Ref:** 158.

Campbell (6)

Loc: Sec. 36, (17-10E), on S. end of Crystal Mtn. at the head of Silver Cr. **Elev:** 5,500 to 6,000 ft. **Access:** 3 mi. by trail from end of Morse Cr. road. **Prop:** 5 unpatented claims. **Ore:** Gold. **Ore min:** Free gold. **Deposit:** Small quartz veins in volcanic rock. Both veins and volcanics reputedly carry gold values. **Assays:** Gold values from 20¢ to a few dollars per ton. **Ref:** 158.

Cascade

Loc: Near glaciers at head of E. branch of White R. **Ore:** Gold. **Ref:** 158.

- Chicago**
(see under copper)
- Crown Point**
Loc: On Gold Hill, Summit dist. **Owner:** George Brown. **Ore:** Gold. **Ref:** 158.
- Crystal Mountain**
Loc: Along Silver Cr., Summit dist. **Prop:** 5 claims. **Ore:** Gold. **Assays:** \$10.00 Au. **Ref:** 158.
- Current (7)**
Loc: Center sec. 35, (17-10E), Summit dist. **Prop:** 9 claims (1897). **Owner:** J. B. Current, Buckley, Wash. (1897). **Ore:** Gold, silver. **Dev:** 20-ft. adit, 85-ft. shaft, 40-ft. adit, 65-ft. adit, 25-ft. adit. **Assays:** 3 mill tests av. \$13 Au (1897). **Ref:** 63, p. 45. 158.
- Dry Spring**
Loc: Naches area. **Ore:** Gold. **Ref:** 158.
- Fife**
(see under Yakima County)
- Frater (4)**
Loc: SE $\frac{1}{4}$ sec. 27, (17-10E), Summit dist. **Ore:** Gold, silver. **Ref:** 63, p. 45.
- Gold Bell**
Loc: 2 mi. W. of Bear Gap. **Ore:** Gold. **Ref:** 158.
- Jessie Harper**
Loc: On Mashel R. **Owner:** Cooperative Mining Syndicate of Seattle (1897). **Ore:** Gold. **Gangue:** Quartz. **Dev:** 20-ft. shaft, 165-ft. crosscut. **Ref:** 63, p. 116.
- King**
Loc: Mt. Rainier area. **Ore:** Gold, silver. **Ref:** 63, p. 45.
- Lone Star**
(see under copper)
- Lorraine**
(see under copper)
- McKinley**
Loc: Summit dist. **Ore:** Gold. **Ref:** 63, p. 46.
- New Deal**
(see Washington Cascade)
- Pick Handle**
(see Fife under Yakima County)
- Seigmund Ranch (1)**
Loc: Sec. 30, (17-5E), 1 mi. from Clay City. **Owner:** E. J. Cowan, Tacoma, Wash. (1952—). Seigmund Gold Mining Co. (1920). **Ore:** Gold. **Ore min:** Free gold. **Deposit:** Vein 20 to 40 ft. wide of free-milling gold-bearing quartz. **Assays:** Gold values are very low. **Ref:** 130, pp. 112-113. 158.
- Silver Creek (8)**
Loc: Sec. 25, (17-10E), at headwaters of Silver Cr. and its tributaries, Summit dist. **Access:** Trail from end of road at head of Silver Cr. **Owner:** J. B. Garrard and H. H. Lentz (1945). **Ore:** Gold, silver, copper, zinc, lead. **Ore min:** Pyrite, chalcopryrite, pyrrhotite, some marcasite, sphalerite, and arsenopyrite. **Gangue:** Quartz, calcite. **Deposit:** Altered and silicified andesite is mineralized along narrow joints and in places heavily impregnated with pyrite. **Dev:** 42-ft. shaft, 28-ft. drift, 300-ft. crosscut, 25-ft. adit, 38-ft. adit, 70-ft. adit, several open cuts. **Assays:** 100 tons shipped reportedly ran more than \$50 per ton. **Prod:** 100 tons of ore prior to 1945; 3 oz. Au, 14 oz. Ag, 100 lb. Pb in 1941. **Ref:** 97, 1941, pp. 484, 487. 104, 8/15/34, p. 23. 158.
- Silver Creek Gold & Lead (3)**
Loc: Sec. 12, (17-10E), Summit dist. **Access:** 35 mi. by road to railroad at Enumclaw. 60 mi. by road to copper smelter at Tacoma. **Prop:** 6 unpatented claims and a millsite. **Owner:** Silver Creek Gold & Lead Corp., Seattle, Wash. (1951—). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Arsenopyrite, pyrite, chalcopryrite, galena, sphalerite. **Deposit:** Rhyolite cut by fault zone 1 to 4 ft. wide containing limy gouge and bands of quartz with sulfides. **Dev:** 100-ft. crosscut with 100-ft. drift. **Improv:** Small cabin, rails, mine car, 10-ton ore bin (1951). **Prod:** 20 tons (1945) reported to have contained \$89.75 per ton in gold, silver, lead, copper. Unknown amount of placer gold has been produced from stream gravels. **Ref:** 133, p. 39. 157.
- Star (11)**
Loc: SW $\frac{1}{4}$ sec. 2, (16-10E), Summit dist. **Ore:** Gold. **Ref:** 63, p. 46.
- Sure Thing**
(see Blue Grouse and Sure Thing)
- Surprise (2)**
(see under copper)
- Tacoma**
(see under copper)
- Washington Cascade (New Deal) (9)**
(see also Tacoma under copper)
Loc: Sec. 25, (17-10E), on Silver Cr., Summit dist. **Access:** 7-mi. road from Chinook Pass highway. **Prop:** 2 claims: New Deal, Tacoma. **Owner:** Blue Bell Gold Mining Co., Tacoma, Wash. (1940). **Ore:** Gold, silver, copper. **Deposit:** 5-ft. vein in andesite. **Dev:** 755-ft. adit. **Assays:** 30 tons returned \$180. **Prod:** 1936 (5 tons), 1938 (30 tons). **Ref:** 158.
- Welcome**
Loc: Summit dist. **Ore:** Gold. **Ref:** 63, p. 46.
- SKAGIT COUNTY**
- Anacopper (2)**
(see under copper)
- Bald Mountain (6)**
(see under copper)
- Big Shot**
Loc: Skagit County. **Prop:** 5 claims. **Owner:** Walter E. Woodrich, Rockport, Wash. **Ore:** Gold. **Ref:** 158.
- Bornite**
(see North Coast)
- Boston (16)**
(see under lead)
- British**
(see Skagit Queen under silver)
- Cascade (24)**
(see under lead)
- Chicago (17)**
(see under lead)
- Denver**
(see under silver)
- Devils Mountain**
(see Mount Vernon under nickel)
- Dispassi**
(see under copper)

Dorothy

(see Thunder Creek under lead)

Eldorado (12)

(see under silver)

Epoch (25)

(see under lead)

Everett

(see Willis and Everett under silver)

Everett Extension

(see under silver)

Fidalgo

(see Stephens under copper)

Fidalgo Island (3)

(see under copper)

Fourth of July (26)

(see under silver)

Friend (19)

(see under silver)

Gold Run (20)

Loc: SW¼ sec. 25, (35-13E), Boston Basin. **Access:** Trail. **Owner:** Wm. Soren, Sedro Woolley, Wash. (1951). **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** 2-in. quartz stringer in 1-ft. altered zone in diorite. **Dev:** Open cut and short adit. **Ref:** 158.

Great Northern

Loc: In Silver Basin adjoining the Lakeside property, Thunder Cr. dist. **Prop:** Several claims. **Ore:** Gold, silver, zinc. **Deposit:** Mineralized zone 26 ft. wide in granite and metamorphic rocks. **Ref:** 46, p. 228. 88, p. 52.

Hartford (15)

(see under lead)

Johnsburg (23)

(see under lead)

Lakeside

(see under lead)

Logan No. 2 (10)

(see under silver)

Marine

Loc: On Burnt Mtn., Mt. Baker dist. **Ore:** Gold, silver, lead, copper. **Ref:** 63, p. 60.

Matrix (4)

(see under copper)

Midas (21)

(see under silver)

Mount Vernon (5)

(see under nickel)

North Coast (Bornite) (7)

Loc: About ½ mi. up the hill toward Park Cr. Pass from the flat on E. side of Thunder Cr. Approx. in sec. 29, (36-14E). **Access:** Trail. **Owner:** North Coast Mining & Milling Co. **Ore:** Gold, silver, copper, molybdenum. **Ore min:** Iron and copper sulfides. **Assays:** As much as 16% Cu. **Ref:** 158.

Ontario (13)

(see under lead)

Pacific

(see Mount Vernon under nickel)

Sierra Grande (14)

(see under lead)

Silver Tip (9)

(see under lead)

Skagit Queen (8)

(see under silver)

Soldier Boy (18)

Loc: SE¼ sec. 25 and NW¼ sec. 36, (35-13E), SE. of Midas group. **Access:** Trail. **Prop:** 5 patented claims: Soldier Boy, Gold Run, Golden Eagle, Mountain Chief, North Star. **Owner:** A. G. Mosier, Sedro Woolley, Wash. (1951). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Pyrite, chalcopryrite, sphalerite. **Gangue:** Quartz. **Deposit:** Said to be several veins 1 to 3 ft. wide. **Dev:** Adit. **Assays:** \$27 to \$100 per ton in all values reported. **Ref:** 63, p. 55. 158.

Stephens (1)

(see under copper)

Thunder Creek

(see under lead)

Ventura (22)

(see under silver)

Willis and Everett (11)

(see under silver)

SKAMANIA COUNTY**Athens**

(see under copper)

Bronze Monarch (9)

(see under copper)

Brown and Livingston (21)

Loc: On Granite Cr., a tributary of McCoy Cr., 3 mi. above the mouth of McCoy Cr., probably in sec. 15, (10-8E). **Ore:** Gold, silver. **Assays:** \$6.00 to \$30.00 Au, Ag. **Ref:** 158.

Bruhn (16)

Loc: Sec. 10, (10-8E), adjacent to property of Camp Creek Metals Mining Co., McCoy Cr. dist. **Ore:** Gold. **Ore min:** Sulfides. **Deposit:** 2-ft. gouge seam. **Ref:** 158.

Camp Creek (17)

Loc: Center sec. 10, (10-8E), on Camp Cr., a tributary to McCoy Cr. **Owner:** Camp Creek Metals Mining Co. (1934). **Ore:** Gold. **Ore min:** Free gold. **Deposit:** Quartz stringers in an oxidized zone 300 ft. wide. **Prod:** \$75,000 prior to 1934. **Ref:** 58, p. 12. 97, 1935, p. 354. 158.

Chicago (13)

(see under copper)

Chief

(see Ripper and Chief under copper)

Coe

(see Sweden under copper)

Copper Dyke

(see under copper)

Earl

(see Samson under copper)

Fisher**Loc:** McCoy Cr. dist. **Ore:** Gold. **Ref:** 158.**Germania (3)**

Loc: Secs. 8 and 17, (10-6E), adjoining Polar Star property on the E., Mt. St. Helens dist. **Prop:** 12 patented claims. **Ore:** Gold, copper. **Dev:** 2 adits. **Ref:** 58, p. 23. 158.

Golconda (5)

Loc: Near W. $\frac{1}{4}$ cor. sec. 16, (10-6E), Mt. St. Helens dist. **Access:** $\frac{1}{2}$ mi. up the Ryan Lk. trail from the Green R. trail. **Ore:** Gold, zinc, copper. **Ore min:** Pyrite, some chalcopryite and sphalerite, a little galena. **Deposit:** Quartz veinlets along a fracture zone in granite. **Dev:** Adit. **Assays:** Reportedly \$4.00 Au. **Prod:** An 18-ton shipment in 1933 reported. **Ref:** 63, p. 49. 158.

Gold Creek

(see Zinc Creek under zinc)

Grizzly Creek (6)

Loc: Near Grizzly Cr. on Black Mtn., probably in sec. 20, (10-6E). **Access:** Trail. **Prop:** 4 claims. **Ore:** Gold, silver, lead, copper. **Deposit:** Vein av. 4 ft. wide in granite. **Dev:** 2 adits and a winze. **Assays:** \$50.00 to \$60.00 per ton reported from bottom of winze. **Ref:** 63, p. 50. 158.

Independence (1)

(see under copper)

Index (7)

(see under copper)

Johnson (18)

Loc: Sec. 10, (10-8E), a short distance above the Bruhn property on McCoy Cr. **Ore:** Gold. **Ore min:** Free gold. **Deposit:** Gold in a seam 2 or 3 in. wide. **Ref:** 158.

Juanita

(see under copper)

Knudson and Myers

Loc: McCoy Cr. area. **Ore:** Gold. **Ref:** 158.

Last Chance (24)

(see under copper)

Livingston

(see Brown and Livingston)

Martha Washington

(see Bronze Monarch under copper)

Maybee (27)

(see under copper)

Minnie Lee (2)

(see under copper)

Mount Fairy (14)

Loc: SW $\frac{1}{4}$ sec. 32, (10-6E), Mt. St. Helens dist. **Ore:** Gold, silver, lead, copper. **Ref:** 58, p. 47. 63, p. 50.

Mountain King

(see under copper)

Myers

(see Knudson and Myers)

Norway (12)

(see under copper)

P. F. R.

Loc: Niggerhead area. **Owner:** Lee Perry, Randle, Wash. (1941). **Ore:** Gold. **Ref:** 58, p. 52.

Perry (19)

Loc: Above the Johnson property on McCoy Cr., probably in sec. 10, (10-8E). **Ore:** Gold. **Ore min:** Arsenopyrite. **Ref:** 158.

Plamondon (22)

Loc: SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 7, (8-8E), on N. side of Quartz Cr. **Elev:** 2,800 ft. **Access:** $3\frac{1}{2}$ mi. by trail from end of road. **Prop:** 26 unpatented claims (1943). 3 unpatented claims (1954). **Owner:** Plamondon Brothers Mining Co. (1939—). Plam-

ondon Indian Mines, Inc. (1940-1944). **Ore:** Gold, silver. **Gangue:** Chalcedonic quartz. **Deposit:** Chalcedonic quartz in iron-stained tuff is reportedly mineralized. **Dev:** Short adit, open cut. **Assays:** As high as \$68 reported. **Ref:** 158.

Polar Star (8)

(see under copper)

Primary Gold (20)

Loc: Sec. 10, (10-8E), on both sides of Camp Cr. **Access:** 4 mi. by trail from the end of Niggerhead road. **Prop:** 18 unpatented claims: Jim Nos. 1 to 6; Inez Nos. 1 to 4; Eva Nos. 1, 2, and 5; Jim No. 8; Ialine; O Bill; Orell. **Owner:** Primary Gold Co., Yakima, Wash. (1938). **Ore:** Gold, silver, and platinum reported. **Deposit:** 30-ft. ledge of coarsely crystalline pyrite in quartz gangue. This carries only traces of gold, but narrow stringers of free gold in quartz cut the pyrite. **Dev:** Numerous open cuts, some placering. **Assays:** Said to range from \$2.10 to \$1,500.00 per ton. **Prod:** Has produced (probably small amount). **Ref:** 58, p. 55. 158.

Rainbow (25)

(see under vanadium)

Ripper and Chief

(see under copper)

St. Helens

(see Sweden under copper)

Samson (4)

(see under copper)

Skamania (23)

(see under copper)

Sweden (10)

(see under copper)

Yellow Metals (15)

(see under copper)

Young America (11)

(see under copper)

Zinc Creek (26)

(see under zinc)

SNOHOMISH COUNTY**Ajax (111)**

Loc: Sec. 26, (29-11E), at the headwaters of Glacier Cr. **Access:** 2 mi. from Monte Cristo by trail. **Ore:** Gold, silver. **Ref:** 14, p. 22. 114, no. 5, 1909, p. 104.

Ala-Dickson (68)

(see under copper)

Alleghany

(see Foggy under copper)

Alpha

Loc: 2 mi. S. of Index. **Prop:** 3 claims. **Owner:** Alpha Gold & Copper Mining Co. (1897). **Ore:** Gold, copper. **Ref:** 63, p. 35.

Alta (142)

Loc: Sec. 6, (28-11E), Silver Cr. dist. **Owner:** Clara Thompson, Index, Wash. **Ore:** Gold, silver, lead, copper. **Ref:** 158.

Anaconda (176)

Loc: SW $\frac{1}{4}$ sec. 19, (28-11E), on the mountain above Michigan Gulch. **Ore:** Gold. **Deposit:** 4 parallel veins and 1 cross vein ranging in width from 3 to 30 ft. with ore bodies from $1\frac{1}{2}$ to 15 ft. **Dev:** 20-ft. adit and numerous open cuts. **Ref:** 14, p. 29. 63, p. 31.

Annie

Loc: Silver Cr. dist. **Prop:** 1 claim. **Owner:** J. T. Hubbard and Co. (1892). **Ore:** Gold, silver. **Deposit:** 4-ft. quartz vein. **Assays:** As high as \$100 Au, Ag. **Ref:** 12, p. 89. 13, p. 164. 14, p. 29.

Annie Laurie and Ethel (114)

Loc: NW¼ sec. 28, (29-11E), ½ mi. SE. of Monte Cristo. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Sparsely mineralized fracture zone in andesite. **Dev:** 80-ft. adit and several open cuts. **Assays:** \$5 to \$21 Au. **Ref:** 14, p. 22. 63, p. 14.

Argonaut and Typo (115)

Loc: NW¼ sec. 27, (29-11E), on the W. side of Wilmon Peak, Monte Cristo dist. **Ore:** Gold. **Ore min:** Arsenopyrite. **Deposit:** Slightly mineralized shear zone 75 ft. wide in andesite. **Assays:** \$8 to \$12 Au. **Ref:** 14, p. 22. 63, p. 14.

Arlington (32)

(see under copper)

Bald Mountain (33)

(see under copper)

Baltimore (91)

Loc: SW¼ sec. 12, (29-11E), ½ mi. SE. of Goat Lk., Monte Cristo dist. **Ore:** Gold, silver, lead. **Ore min:** Pyrite, galena. **Deposit:** 3- to 5-ft. mineralized fracture zone carrying 6 to 18 in. of ore. **Assays:** \$6 Au, \$3 Ag. **Ref:** 14, p. 22. 63, p. 16.

Bangor Creek (45)

(see under copper)

Bear (143)

Loc: Sec. 6, (28-11E), Silver Cr. dist. **Owner:** Clara Thompson, Index, Wash. **Ore:** Gold, silver, lead, copper. **Ref:** 158.

Beatrice

(see Sunset and Beatrice under lead)

Beckler River

(see under copper)

Bell and Crown (65)

(see under copper)

Ben Butler (144)

Loc: NE¼ sec. 6, (28-11E), on W. side of Silver Cr. **Owner:** David Fergerson, Parkville, B. C. (1911). **Ore:** Gold. **Deposit:** 12- to 15-ft. vein carrying 12 to 30 in. of ore. **Dev:** 60-ft. adit. **Ref:** 14, p. 29. 63, p. 32.

Ben Lomond

(see Rainy)

Bergensen

(see Taylor & Nunn)

Big Bear and Butte (31)

Loc: Sec. 33, (31-9E), on divide between Clear and Canyon Creeks, Silverton dist. **Access:** 4 mi. by trail from Sauk R. **Ore:** Gold, silver, copper. **Ore min:** Bornite, chalcopryrite, pyrite. **Deposit:** Mineralized zone 100 ft. wide carries streaks of sulfide minerals 4 to 10 in. wide. **Dev:** Several 50-ft. adits. **Assays:** \$9 Au, \$7 Ag. **Ref:** 14, p. 41. 63, p. 29.

Big Copper (84)

(see under copper)

Big Raymond (210)

Loc: Sec. 29, (29-11E), Silver Cr. dist. **Prop:** 4 claims. **Ore:** Gold, silver, copper. **Deposit:** Mineralized quartz stringers. **Dev:** Adits aggregating 500 ft. in length. **Assays:** \$2 to \$56 per ton. **Ref:** 14, p. 29. 63, p. 29.

Billy Lee (145)

(see under lead)

Black Hawk (193)

Loc: On W. slope of Iron Mtn., Index dist. Possibly in sec. 29, (28-11E). **Prop:** 4 claims. **Owner:** Black Hawk Mining & Concentrating Co. (1897). **Ore:** Gold, copper. **Ore min:** Iron and copper sulfides. **Ref:** 14, p. 34. 58, p. 7.

Blomquist (43)

(see under copper)

Blue Bird (4)

Loc: Sec. 24, (32-9E) and sec. 19, (32-10E), Darrington dist. **Prop:** Several claims. **Owner:** Pacific Nickel Co., Mount Vernon, Wash., leasing from Earl Scott, Bellingham, Wash. (1943-1944). Sauk River Mining Co. (1907). Albert Hawkinson (1908). **Ore:** Gold, copper, silver, nickel. **Ore min:** Chalcopryrite, pyrrhotite. **Deposit:** Vein av. 8 ft. in width. **Dev:** 200 to 300 ft. of adits. **Assays:** High-grade ore runs \$30 per ton. **Prod:** Small amount reported about 1940. **Ref:** 14, p. 8. 22, p. 9. 33, 1907, p. 1011. 49, p. 10. 88, p. 62. 159, p. 134.

Blue Bird (177)

Loc: Sec. 18, (28-11E), on the W. side of Silver Cr. 2 mi. N. of Galena. **Access:** Truck road. **Owner:** Silver Creek Mining Co., Index, Wash. (1907-1935). L. F. Leslie, Tacoma, Wash. (1890). **Ore:** Gold, silver, lead. **Ore min:** Galena. **Deposit:** Nearly vertical vein said to be 27 ft. wide with a paystreak 2 ft. wide. Parallel to Vandalia vein. **Dev:** 1 crosscut. **Assays:** Old assays report 48% Pb, 50 oz. Ag. **Prod:** Small amount. **Ref:** 12, p. 87. 13, p. 157. 14, p. 28. 33, 1907, p. 1026. 97, 1935, p. 354. 158.

Blue Rock (92)

(see under copper)

Bluebell (146)

Loc: Sec. 6, (28-11E), at Mineral City, Silver Cr. dist. **Owner:** Clara Thompson, Index, Wash. **Ore:** Gold, silver, lead, copper. **Ref:** 158.

Bluff (147)

Loc: NW¼ sec. 8, (28-11E), on the E. side of Silver Cr. **Prop:** 5 claims. **Ore:** Gold, copper. **Ore min:** Chalcopryrite, pyrite. **Deposit:** 4-ft. vein with 2 in. of ore, 25-ft. vein with 4½ in. of high-grade ore, and another parallel vein with some ore. **Dev:** 20-ft. adit. **Assays:** \$7.50 Au. **Ref:** 14, p. 29. 63, p. 31.

Bon Ton (87)

(see under copper)

Bonanza

(see Mineral Center)

Bonanza Queen (46)

(see under copper)

Border Queen (75)

(see under copper)

Bornite

(see Bangor Creek under copper)

Boston

(see under copper)

Broken Ridge (178)

(see under copper)

Brooklyn (93)

Loc: Secs. 11, 13, and 14, (29-11E), above the El Dorado prospect, Monte Cristo dist. **Ore:** Gold. **Dev:** Short adit in ore. **Ref:** 14, p. 22. 58, p. 10.

Buckeye (235)
(see under copper)

Bullet (41)
(see under copper)

Bullion King

Loc: Silver Cr. dist. **Ore:** Gold, silver, copper, lead. **Ref:** 158.

Bunker Hill

(see Copper Belle under copper)

Burns (6)

Loc: NW¼ sec. 18, (32-10E), on W. side of Gold Mtn., Darrington dist. **Prop:** 7 claims. **Owner:** Puget Sound Copper Co. **Ore:** Gold, silver, copper. **Deposit:** Ore body is exposed for 100 ft. and has an av. width of 4½ ft. **Ref:** 14, p. 8. 63, p. 52. 88, p. 62. 159, p. 134.

Butte and Big Bear

(see Big Bear and Butte)

Calumet

(see Glacier Peak under copper)

Calumet (200)

Loc: Near center N½ sec. 27, (29-10E), in Sultan Basin. **Elev:** 4,600 to 5,000 ft. **Access:** About ½ mi. from road. 26 mi. to railroad at Sultan. **Prop:** Calumet claim. **Owner:** Sultan Basin Mining Co., Robert Curtiss, lessee, Monroe, Wash. (1951). **Ore:** Gold, silver, copper, zinc. **Ore min:** Chalcopyrite, pyrrhotite, marcasite, arsenopyrite, sphalerite, galena. **Deposit:** Quartz vein from 6 to 24 in. wide along a fracture zone in metamorphic rocks. **Dev:** 250-ft. adit, 9 open cuts. **Assays:** Tr. to 1.03 oz. Au, 0.56 to 5.33 oz. Ag, 0.48% to 6.50% Cu, 0.10% to 4.85% Zn. **Ref:** 23, pp. 62, 65-68. 37, p. 56. 150, p. 30.

Caplin-Holbrooke (116)

Loc: Sec. 33, (29-11E), on the E. Fk. of Silver Cr. about 2 mi. N. of Mineral City. **Prop:** 9 claims: Gold Eagle, New Strike, Last Chance, Mt. Beauty, Fortunate Monarch, Silver Queen, Good Grub, Cougar, Two Hams. **Ore:** Gold, silver, copper. **Deposit:** 10-ft. vein with two 12-in. paystreaks of ore. **Dev:** 75-ft. adit. **Assays:** As high as \$90 Au, Ag, Cu. **Ref:** 13, pp. 159-160. 14, p. 29.

Cascade (232)

(see under copper)

Cassidy (112)

Loc: NE¼ sec. 26, (29-11E), at the entrance of Glacier Basin, Monte Cristo dist. **Elev:** 4,000 to 4,800 ft. **Prop:** 4 patented claims. **Ore:** Gold, silver. **Ore min:** Arsenopyrite. **Deposit:** 2 mineralized fractures 3 to 5 ft. wide. **Dev:** Several short adits. **Assays:** \$7 Au, Ag. 6% to 10% As. **Ref:** 14, p. 22. 158.

Castle (211)

Loc: Sec. 29, (29-11E), NW. of the Edison prospect, Silver Cr. dist. **Ore:** Gold, silver. **Deposit:** 20-ft. vein with 4 ft. of ore. **Dev:** 30-ft. adit. **Assays:** \$25 per ton. **Ref:** 14, p. 30. 63, p. 29.

Champion (148)

Loc: Sec. 6, (28-11E), Silver Cr. dist. **Prop:** 1 claim. **Owner:** Clara Thompson, Index, Wash. **Ore:** Gold, silver, lead, copper. **Deposit:** 12-ft. vein of concentrating ore. **Assays:** \$20 Au, Ag, Pb. **Ref:** 13, p. 163. 14, p. 30. 158.

Charlotte (230)

(see under copper)

Clara Thompson

(see Jasperson)

Cleveland (47)
(see under copper)

Colts (76)
(see under copper)

Commercial (194)
(see under copper)

Commonwealth

Loc: Snohomish County. **Owner:** Commonwealth Mining Co., Seattle, Wash. (1941). **Ore:** Gold, silver, copper. **Prod:** Has produced. **Ref:** 58, p. 15.

Commonwealth

(see Jasperson)

Consolidated

Loc: At the head of Marten Cr. adjacent to the New Seattle property, Silverton dist. **Prop:** 4 claims. **Owner:** Mineral Mountain Mining & Tunnel Co. (1909). **Ore:** Gold, silver, copper. **Ore min:** Arsenopyrite, tetrahedrite. **Deposit:** Extension of the New Seattle vein. **Ref:** 14, p. 42. 63, p. 22. 114, no. 5, 1909, p. 105.

Cooperative (195)

(see under copper)

Copper Belle (229)

(see under copper)

Copper Chief (149)

(see under copper)

Copper Cliff

Loc: Silverton dist. **Ore:** Gold, silver, copper. **Ref:** 158.

Copper Independent (Independent) (48)

(see also Ore Recoveries under copper)

Loc: NE¼ sec. 19, (30-10E), at mouth of Silver Gulch, ½ mi. SE. of Silverton. **Elev:** 3,000 ft. **Access:** Road from Silverton. **Prop:** 3 claims. **Owner:** Leased from Lambda Chemical Corp. by Ore Recoveries Corp. (1943). Copper Independent Consolidated Mining Co. (1902-1908). **Ore:** Gold, silver. **Ore min:** Pyrite, arsenopyrite. **Gangue:** Sheared granite and quartz. **Deposit:** Mineralized shear zone in granite contains ore bodies from 100 to 200 ft. in dia. and 2 to 3 ft. wide. **Dev:** 3 adits, drifts, and raises totaling about 700 ft. **Assays:** 0.6 to 0.7 oz. Au. **Prod:** 1 carload of picked ore shipped to the Everett smelter prior to 1901. **Ref:** 14, pp. 39-40. 22, p. 9. 33, 1907, p. 518; 1908, p. 557. 43, 1902, p. 832. 46, pp. 164-165. 63, p. 18. 88, p. 68. 114, no. 5, 1909, pp. 98-99. 158.

Copper Prince (49)

Loc: SW¼ sec. 20, (30-10E), Silverton dist. **Ore:** Gold, silver, copper. **Ref:** 14, p. 42.

Copper Queen (39)

(see under copper)

Copperhead (50)

(see under copper)

Cora M (135)

Loc: NW¼ sec. 4, (28-11E), Silver Cr. dist. **Ore:** Gold. **Deposit:** 3½-ft. vein. **Dev:** 20-ft. adit. **Assays:** \$12 per ton. **Ref:** 14, p. 30. 63, p. 28.

Cornucopia (82)

Loc: SW¼ sec. 33, (30-10E), 1,000 ft. below the outlet of Copper Lk., Silverton dist. **Elev:** 2,200 ft. **Prop:** 4 claims. **Ore:** Gold, silver, lead. **Ore min:** Galena, pyrite. **Deposit:** Vein with from 18 to 30 in. of ore. Another vein 3 to 4 ft. wide. **Dev:** 30-ft. adit. **Assays:** \$28.20 Au, \$9.60 Ag. **Ref:** 14, p. 42. 63, p. 24.

Corona (136)

(see under silver)

Courtney (19)

(see under copper)

Covered Wagon (179)

(see under copper)

Crown

(see Bell and Crown under copper)

Crown Point (150)

(see under lead)

Dahl

(see Eclipse)

Daisy (137)

Loc: Sec. 9, (28-11E), Silver Cr. dist. **Prop:** 10 claims. **Ore:** Gold, silver, lead. **Ore min:** Galena, arsenopyrite. **Deposit:** Vein from 4 to 12 ft. wide in granite. **Dev:** 15-ft. shaft, 50-ft. adit. **Assays:** \$7 to \$70 Au, and as high as \$60 Ag. Av. \$20 Au, Ag. **Ref:** 14, p. 30. 63, p. 33.

Damm

(see under copper)

Darrington (Elwell-Darrington)

(see Elwell-Darrington)

Darrington

(see Gold Mountain under copper)

Deerfly (81)

(see under lead)

Del Campo

Loc: On the E. slope of the ridge dividing the Sauk, Sultan, and Stilaguamish watersheds, overlooking Crater Lk., 2½ mi. W. of Monte Cristo. **Prop:** 3 claims. **Owner:** Del Campo Metals Co. **Ore:** Gold, silver, copper. **Ore min:** Chalcopryrite. **Deposit:** 10- to 30-ft. fracture zone that can be traced for 2,000 ft. on the surface. **Dev:** 25-ft. adit, several open cuts. **Assays:** Surface ore runs \$44.86 Au, Ag, 13.8% Cu. **Ref:** 14, p. 23. 63, p. 14. 105, 1909, p. 871.

Delco and Marengo (117)

Loc: Sec. 33, (29-11E), Silver Cr. dist. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Large vein. **Ref:** 14, p. 31. 63, p. 29.

Delta

(see under copper)

Dewey (180)

Loc: S½ sec. 18, (28-11E), Silver Cr. dist. **Owner:** Silver Creek Mining Co. **Ore:** Gold, silver, copper. **Ref:** 158.

Diamond Hitch (212)

(see under copper)

Double Eagle (77)

Loc: Sec. 5, (30-10E), along the W. Fk. of Coal Cr., Silverton dist. **Prop:** 4 claims. **Ore:** Gold. **Ore min:** Native gold. **Deposit:** 14- to 40-ft. vein of quartz carrying free-milling gold. **Assays:** From \$1 to \$20. Av. \$8 Au. **Ref:** 14, p. 42. 63, p. 22.

Dry Creek

Loc: On W. end of Long Mtn., Silverton dist. **Prop:** 4 claims. **Ore:** Gold, silver, copper. **Ore min:** Arsenopyrite, chalcopryrite. **Deposit:** 9-ft. vein with 24 in. of ore. **Assays:** \$2 to \$7 Au, Ag. **Ref:** 14, p. 43.

Eclipse (Dahl) (51)

Loc: Secs. 17, 18, and 19, (30-10E), on S. side of Stilaguamish R. at foot of Huckleberry Ridge, Silverton dist. **Prop:** 51 claims

(1952). **Owner:** R. D. Taft, Robe, Wash. (1952—). Eclipse Consolidated Mining & Investment Co. of Seattle (1915-1918). Virginia-Agenda Co. (1921-1924). Chemical Products Ass'n. (1925-1926). Lambda Chemical Corp. leasing to Ore Recoveries Corp. (1943). **Ore:** Gold, silver, copper, mercury. **Ore min:** Arsenopyrite, native mercury. **Deposit:** 1 vein carrying arsenopyrite. 1 vein in Marble Gulch carrying gold, silver, and copper. Mercury in some workings. **Dev:** More than 5 mi. of underground work reported. **Assays:** Reported to be 7% Hg from an incline and 3% Hg from an adit just S. of the incline. **Ref:** 14, pp. 42-43. 63, p. 19. 97, 1913, p. 210. 98, 1918-1926. 105, 1915, p. 742. 114, no. 5, 1909. 141, p. 88. 158.

Edison (213)

(see also Mineral Center)

Loc: NE¼ sec. 29, (29-11E), Silver Cr. dist. **Owner:** Mineral Center Mining Co., Tacoma, Wash. (1951). Bonanza Mining & Smelting Co. (1901). **Ore:** Gold, copper, silver. **Ore min:** Chalcopryrite, arsenopyrite. **Deposit:** 50-ft. vein in granite. **Assays:** \$10 to \$15 per ton. **Ref:** 63, p. 28. 88, p. 74. 97, 1907, p. 475. 98, 1918, p. 60. 114, no. 5, 1909.

El Dorado (105)

(see under copper)

Elmo

(see Gold Bar and Elmo under lead)

Elwell-Darrington (20)

Loc: NW¼ sec. 27, (32-9E), on E. side of Gold Mtn. adjacent to the Burns prospect, Darrington dist. **Owner:** Elwell-Darrington Mining Co. (1901). **Ore:** Gold, copper. **Deposit:** 7- to 8-ft. mineralized zone carrying 2 to 3 ft. of ore. **Ref:** 14, p. 8. 88, p. 62. 159, p. 134.

Emma Bess (151)

Loc: NE¼ sec. 6, (28-11E), on E. side of Silver Cr. **Ore:** Gold. **Deposit:** Extension of the Ben Butler vein. **Dev:** 25- and 30-ft. adits. **Ref:** 14, p. 31. 63, p. 30.

Emma Moore (118)

(see under lead)

Emma No. 2

(see under lead)

Engdahl (152)

(see Martin Engdahl under lead)

Ethel

(see Annie Laurie and Ethel)

Ethel (231)

(see under copper)

Ethel Consolidated

(see Ethel under copper)

Etruria

(see under lead)

Eureka (78)

(see under copper)

Everett (52)

(see under copper)

Evergreen (181)

(see under copper)

Fanny (53)

Loc: SE¼ sec. 19, (30-10E), on a spur of the mountain S. of Silver Gulch, Silverton dist. **Prop:** 1 claim. **Owner:** Messrs. Lasell and Moore (1892). **Ore:** Gold, silver, copper. **Deposit:** 22 in. of ore. **Dev:** 30-ft. adit, open cuts. **Assays:** \$12 to \$46 Au, Ag, Cu. **Ref:** 13, p. 163. 14, p. 43. 63, p. 19.

Feldt (11)

(see under silver)

Florence-Rae (233)

(see under copper)

Florence Rae (Rudebeck-Florence Rae) (201)

(see under copper)

Foggy (106)

(see under copper)

Forest Hope (7)

(see under copper)

Fortunate

Loc: Monte Cristo dist. **Ore:** Gold, silver. **Deposit:** Mineralized zone at contact of peridotite with slaty quartzite. **Prod:** Reported to have produced some ore. **Ref:** 14, p. 20. 149, p. 830.

Fortunate (214)

Loc: Sec. 32, (29-11E), 1 mi. NE. of Mineral City, Silver Cr. dist. **Ore:** Gold, silver. **Prod:** Reported to have produced some ore. **Ref:** 14, p. 28.

"45" (66)

(see under silver)

Garfield

(see under lead)

Gettysburg (153)

(see under lead)

Gift

Loc: On the divide between Goat Lk. and the N. Fk. of Sauk R., Monte Cristo dist. **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** 8-ft. quartz vein. **Dev:** 15-ft. adit. **Ref:** 14, p. 23. 63, pp. 16-17.

Glacier Peak (80)

(see under copper)

Glengarry

(see under silver)

Glory of the Mountain (94)

Loc: SE $\frac{1}{4}$ sec. 2, (29-11E), $\frac{1}{2}$ mi. NE. of Goat Lk., Monte Cristo dist. **Prop:** 7 claims. **Ore:** Gold, silver. **Ore min:** Arsenopyrite, pyrite. **Deposit:** Wide mineralized fracture zone contains an ore body 20 ft. wide. **Dev:** 40-ft. adit. **Assays:** \$21 to \$27 Au, \$1.80 to \$4.80 Ag. **Prod:** Has produced. **Ref:** 14, p. 23. 58, p. 24. 63, p. 16.

Golconda

(see under lead)

Gold Bar (215)

(see under copper)

Gold Bar and Elmo

(see under copper)

Gold Boy (154)

Loc: Sec. 7, (28-11E), on W. side of Silver Cr. **Ore:** Gold. **Deposit:** 16-ft. vein with 2 ft. of ore. **Dev:** 20-ft. adit. **Assays:** \$16 Au. **Ref:** 14, p. 32. 63, p. 31.

Gold Eagle (216)

Loc: Sec. 29, (29-11E), on Silver Tip Mtn., Silver Cr. dist. **Prop:** 3 claims. **Ore:** Gold, copper. **Ore min:** Chalcopryite, chalcocite, arsenopyrite. **Deposit:** 5-ft. vein. **Dev:** 175-ft. adit. **Assays:** \$12 to \$15 Au. **Ref:** 14, p. 32. 63, p. 29.

Gold Mountain (10)

(see under copper)

Gold Standard (155)

Loc: NW $\frac{1}{4}$ sec. 5, (28-11E), Silver Cr. dist. **Ore:** Gold, silver. **Dev:** Open cut. **Ref:** 63, p. 29.

Golden Chord (34)

Loc: NW $\frac{1}{4}$ sec. 12, (30-9E), Silverton dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 22.

Golden Chord

(see Justice)

Golden Eagle (203)

(see under molybdenum)

Good Hope (119)

Loc: Sec. 33, (29-11E), 2 mi. from Monte Cristo. **Access:** Road from Mineral City. **Prop:** 10 patented claims: 41144 and Fraction, Evening Star, Lucky Boy, Good Hope, Starlight, Starlight Ext. No. 2, Prince, Good Hope Ext., Queen. **Owner:** F. P. Hallinan, Portland, Oreg. (1941). Good Hope Gold & Copper Mining Co. (1909). **Ore:** Gold, silver, copper, lead, zinc, vanadium. **Dev:** About 2,000 ft. of adits. **Prod:** Reportedly 1 carload in 1909. **Ref:** 58, p. 26. 114, no. 5, 1909. 158.

Granite and Maud (54)

Loc: SW $\frac{1}{4}$ sec. 20, (30-10E), on Silver Gulch, Silverton dist. **Ore:** Gold, silver, lead. **Ore min:** Arsenopyrite, galena. **Deposit:** 2 veins, one of which carries 8 in. of ore. **Dev:** 30-ft. shaft, 40-ft. adit. **Assays:** \$43 Au, Ag. **Ref:** 14, p. 43. 63, pp. 18-19.

Granite Mountain

(see under copper)

Grant (120)

Loc: Sec. 27, (29-11E), Monte Cristo dist. **Ore:** Gold. **Ref:** 14, p. 23. 114, no. 5, 1909, p. 104.

Gray Mare (12)

(see under silver)

Gray Rock (1)

Loc: SE $\frac{1}{4}$ sec. 19, (32-9E), Darrington dist. **Owner:** D. A. Witcher, Darrington, Wash. (1942). **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Small quartz stringers carrying pyrite and cutting granitic rock. **Dev:** One 50-ft. adit. **Ref:** 14, p. 8.

Great Northern (72)

Loc: NW $\frac{1}{4}$ sec. 35, (29-8E), on S. side of Sultan R. **Access:** Road up Sultan R. **Prop:** 3 claims. **Ore:** Gold, copper, silver. **Ore min:** Chalcopryite, pyrite. **Deposit:** Mineralized shear zone 60 ft. wide along a contact between granite and slate. Ore minerals are disseminated throughout the zone. **Assays:** Av. of 6 assays showed \$32 Au, \$3.45 Cu, \$1.76 Ag. **Ref:** 14, pp. 47-48. 63, p. 25.

Great Scott (138)

Loc: Sec. 3, (28-11E), Silver Cr. dist. **Prop:** 7 claims. **Ore:** Gold, silver, copper. **Ore min:** Arsenopyrite, chalcopryite, pyrite. **Deposit:** 40-ft. vein between granite and slate walls carries 3 to 18 in. of ore. 2 other veins 5 and 10 ft. wide. **Dev:** 30-ft. crosscut, open cuts. **Assays:** \$8 to \$56 Au, 2% to 3% Cu. **Ref:** 14, p. 33. 63, p. 32.

Green Crown (13)

(see under copper)

Grizzly

(see under copper)

Gunn Peak (198)

(see under copper)

Gypsy Queen (156)
(see under lead)

Hammond
(see Keystone under copper)

Hancock (217)
(see under copper)

Hannah (14)
(see under copper)

Hard Pass (204)
(see under copper)

Harley
Loc: T. 32 N., R. 10 E., near the middle of Gold Mtn., Darrington dist. **Prop:** 8 claims. **Owner:** Charles Burns (1901). **Ore:** Gold. **Deposit:** Vein 4 ft. wide crops out for 150 ft. **Assays:** \$42 to \$43 per ton, mostly Au (1901). **Ref:** 14, p. 9. 88, p. 62.

Hecla (35)
(see under copper)

Helena (30)
(see under copper)

Helena and Sadie (205)
(see under copper)

Hiawatha (121)
Loc: Sec. 33, (29-11E), about 1 mi. S. of Silver Lk. on W. side of the E. Fk. of Silver Cr. **Ore:** Gold, silver. **Deposit:** Vein. **Dev:** 40-ft. adit. **Ref:** 14, p. 33. 63, p. 28.

Hicks
(see Sultan King under copper)

Highland (29)
(see under copper)

J. J. Hill
Loc: Silver Cr. dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 30.

Holbrooke
(see Caplin-Holbrooke)

Homestead
(see Cascade under copper)

Hoodoo (55)
(see under copper)

Hope (157)
Loc: Sec. 5, (28-11E), on Hubbart Peak, Silver Cr. dist. **Ore:** Gold, copper. **Ore min:** Chalcopyrite, pyrite. **Deposit:** 25- to 30-ft. vein with 5 ft. of ore on the footwall. **Dev:** 100-ft. adit on the vein, and a crosscut adit. **Assays:** \$5 to \$42 per ton. **Ref:** 14, p. 33. 63, p. 28.

Horseshoe and Treasure Box (206)
Loc: Sec. 36, (29-10E), just E. of Sheep Gap, Silver Cr. dist. **Ore:** Gold, copper. **Deposit:** 4-ft. vein with 8 in. of ore. **Dev:** 16-ft. adit. **Assays:** \$17 to \$27 per ton. **Ref:** 14, p. 33. 63, p. 30.

Howard
(see Cooperative under copper)

Hunter (21)
(see under copper)

Idaho (158)
(see under lead)

Imperial (56)
(see under copper)

Independent
(see Copper Independent)

Index
(see Lake Serene under copper)

Index Gold Mines, Inc. (182)
Loc: Secs. 18 and 19, (28-11E), Silver Cr. dist. **Access:** Road. **Prop:** 5 unpatented claims: Daily West, Daily West No. 1, LeRoy, Snow Shoe, Virtue. **Owner:** Henry Siepmann, Seattle, Wash. (1942). **Ore:** Gold, silver, lead, zinc. **Ore min:** Arsenopyrite. **Deposit:** Said to be a vein more than 18 in. wide. **Dev:** 300-ft. adit. **Assays:** Typical assay said to be 5.4 oz. Ag, 6.4% Pb, 2.5% Zn, 11.59% As. **Prod:** Reportedly shipped 10 tons of ore per day in 1939. **Ref:** 14, p. 28. 46, p. 168. 158.

Index-Independent
(see Lake Serene under copper)

Iowa (Mint) (202)
(see under copper)

Iowa (Washington-Iowa)
(see Washington-Iowa under copper)

Iron Clad (183)
Loc: Sec. 18, (28-11E), on E. side of Silver Cr. about 1 mi. N. of Galena. **Prop:** 4 claims. **Ore:** Gold. **Ore min:** Arsenopyrite. **Deposit:** 20 ft. of concentrating ore with a narrow streak of high-grade ore. **Dev:** 80-ft. adit. **Assays:** High-grade ore shows \$60 Au. **Ref:** 14, p. 33. 63, p. 32.

Iron Mountain
Loc: On Howard Cr., Index dist. **Prop:** 6 claims. **Ore:** Gold, copper. **Ref:** 63, p. 34.

Isabell
(see Red Cross under copper)

J. B. (122)
Loc: Sec. 27, (29-11E), Monte Cristo dist. **Ore:** Gold, silver, lead. **Ref:** 14, p. 23. 114, no. 5, 1909, p. 104.

Jackson
(see St. Louis and Jackson under copper)

Jamboree (159)
(see under copper)

Jasperson (Clara Thompson, Webster, Commonwealth, McCombs) (160)

Loc: Sec. 36, (29-10E) and sec. 6, (28-11E), N. of the Bear claim on S. slope of Mineral Mtn., on W. side of the W. Fk. of Silver Cr. **Elev:** 3,400 ft. **Access:** Truck road. **Prop:** 17 unpatented claims, including: Sigma, Bullion King. **Owner:** Leased by W. Eggart, Seattle, Wash. (1941). Mrs. Clara Thompson and Lawrence Thompson, Index, Wash. (1938). McCombs & Co. (1934). **Ore:** Gold, silver, copper, lead, mercury, vanadium. **Ore min:** Cinnabar, pyrite, arsenopyrite, chalcopyrite, galena, sphalerite, stibnite, vanadinite. **Gangue:** Quartz. **Deposit:** Narrow mineralized fracture zones in granodiorite. Ore shoots are sporadic and only 3 to 8 in. wide. **Dev:** Adit more than 30 ft. long and other workings said to total 3,000 ft. **Assays:** 8 samples show 0.02 to 0.44 oz. Au, tr. to 19.20 oz. Ag, tr. to 4.5% Cu, 0.8% to 15.1% Pb. **Ref:** 13, p. 160. 14, pp. 30, 34, 38. 58, p. 72. 63, p. 30. 158.

Jesse (22)
Loc: Sec. 33, (32-9E), at headwaters of Buckeye Cr., Darrington dist. **Ore:** Gold, silver, copper. **Deposit:** 9 to 18 in. of ore. **Ref:** 14, p. 9. 63, p. 51.

Jessie (218)
Loc: SW $\frac{1}{4}$ sec. 32, (29-11E), Silver Cr. dist. **Ore:** Gold. **Ref:** 63, p. 29.

Jim Dandy (161)

Loc: SW $\frac{1}{4}$ sec. 8, (28-11E), Silver Cr. dist. **Prop:** 6 claims. **Ore:** Gold, silver, copper. **Ore min:** Chalcopyrite, pyrite, arsenopyrite. **Deposit:** 22-ft. vein with 8 in. of ore. **Dev:** 2 adits, one 40 ft. long. **Assays:** As high as \$80 per ton. **Ref:** 14, p. 34. 63, p. 30.

John Newhouse (70)

Loc: SW $\frac{1}{4}$ sec. 20, (29-10E). **Elev:** 2,900 ft. **Access:** $\frac{1}{2}$ mi. E. of Sultan Basin road by an old trail. **Owner:** Reportedly prospected several years ago by John Newhouse. **Ore:** Gold (?). **Ore min:** Pyrite in argillite on dump. **Deposit:** No vein apparent. **Dev:** Old caved adit. **Ref:** 23, p. 73.

Jones

(see Kromona under copper)

Jumbo (219)

Loc: Sec. 29, (29-11E), on W. side of the E. Fk. of Silver Cr., Monte Cristo dist. **Ore:** Gold, silver, copper. **Ore min:** Pyrite. **Deposit:** Quartz vein. **Assays:** \$21.08 Au, \$2.20 Ag. **Ref:** 13, p. 162. 14, p. 34. 58, p. 35.

Jumbo

Loc: Darrington dist. **Ore:** Gold, copper. **Ref:** 98, 1925, p. 1820.

Justice (Golden Chord) (123)

Loc: Sec. 27, (29-11E), on NW. side of Wilmon Peak overlooking Monte Cristo. **Elev:** 4,000 ft. **Access:** $\frac{3}{4}$ mi. by trail from Monte Cristo. **Prop:** 3 claims: John, Thomas, Irma. **Owner:** John Birney, Everett, Wash. (1940). Justice Mining Co. (1905). **Ore:** Gold, silver. **Ore min:** Arsenopyrite, pyrite. **Gangue:** Quartz. **Deposit:** A 1- to 3-ft. mineralized shear zone in andesite contains ore bodies from 70 to 400 ft. in length. Nearly all the known ore has been removed. **Dev:** 3 adit levels totaling about 2,200 ft. **Assays:** Av. assays showed 0.43 oz. Au, 3 oz. Ag, 12.4% As. **Prod:** Considerable ore produced from 1903 to 1905. **Ref:** 14, p. 20. 58, p. 25. 63, p. 13. 91, p. 241. 97, 1905, p. 337. 149, pp. 813, 819. 158.

Justin (8)

Loc: SW $\frac{1}{4}$ sec. 19, (32-10E), on SE. side of Gold Mtn., Darrington dist. **Prop:** 3 claims. **Ore:** Gold, silver, copper, mercury. **Deposit:** 12-ft. vein. **Ref:** 14, p. 9. 63, p. 52. 158.

Kena and Troly

(see Skrinde under copper)

Keystone (100)

Loc: Sec. 22, (29-11E), 1 mi. E. of Monte Cristo. **Ore:** Gold, silver, copper, lead. **Ore min:** Galena, chalcopyrite, pyrite. **Deposit:** 4- to 20-ft. mineralized shear zone that carries from 10 to 18 in. of ore. **Dev:** 30-ft. adit, large open cut. **Assays:** \$8 to \$30 Au, 6 to 40 oz. Ag. **Ref:** 13, p. 150. 14, p. 23. 63, p. 14.

Keystone (74)

(see under copper)

Keywinder (23)

(see under copper)

Kromona (209)

(see under copper)

Lake Serene (236)

(see under copper)

Lakeview Extension (79)

Loc: SW $\frac{1}{4}$ sec. 1, (30-11E), Silverton dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 22.

Lalla Rookh

(see Tobique and Lalla Rookh)

Larson (2)

(see under lead)

Last Chance (184)

Loc: Sec. 18, (28-11E), on W. side of Silver Cr., 2 mi. N. of Galena. **Access:** Truck road. **Owner:** Silver Creek Mining Co. (1907-1935). **Ore:** Gold, silver, lead. **Deposit:** Nearly vertical vein that strikes NW. **Dev:** 1 crosscut adit. **Prod:** Small amount in 1935. **Ref:** 14, p. 28. 33, 1907, p. 1026. 63, p. 29. 97, 1935, p. 354. 158.

Last Dollar (162)

(see under copper)

Last Hope

Loc: Monte Cristo dist. **Ore:** Gold, silver. **Deposit:** Mineralized fracture zone. **Prod:** Reported to have produced some ore. **Ref:** 14, p. 21.

Le Roy (90)

(see under silver)

Lida (220)

(see under copper)

Lily James (57)

Loc: NW $\frac{1}{4}$ sec. 17, (30-10E), Silverton dist. **Ore:** Gold, silver. **Ore min:** Arsenopyrite. **Deposit:** 20-ft. zone with mineralized streaks. **Dev:** 80-ft. crosscut. **Assays:** \$7 Au, Ag. **Ref:** 14, p. 44. 63, p. 21.

Lily of the West (95)

Loc: Sec. 11, (29-11E), just E. of Goat Lk., Monte Cristo dist. **Ore:** Gold. **Ore min:** Arsenopyrite. **Deposit:** 2 $\frac{1}{2}$ -ft. mineralized fracture zone. **Dev:** Short crosscut. **Ref:** 14, p. 24. 63, p. 16.

Little Chief (69)

(see under copper)

Little Giant (107)

Loc: Sec. 13, (29-11E), 1 mi. SE. of Goat Lk. at head of the basin, Monte Cristo dist. **Ore:** Gold, silver. **Ore min:** Sulfides. **Deposit:** 8-ft. fracture zone that carries 18 in. to 8 ft. of ore. **Dev:** Short crosscut. **Ref:** 14, p. 24. 63, p. 16.

Lockwood (164)

(see under lead)

Lockwood Pyrite (73)

(see under iron)

Lost Creek (196)

(see under copper)

Louise

(see Mineral Center)

Lucky Joe (166)

Loc: Sec. 7, (28-11E), just W. of Mineral City, Silver Cr. dist. **Ore:** Gold. **Deposit:** 6 to 12 in. of ore. **Assays:** \$30 Au. **Ref:** 14, p. 34. 63, p. 30.

Lulu (58)

Loc: SE $\frac{1}{4}$ sec. 19, (30-10E), across Silver Gulch from the Granite and Maud prospect, Silverton dist. **Ore:** Gold, silver, lead. **Ore min:** Arsenopyrite, galena. **Deposit:** 8 in. of ore. **Dev:** 30-ft. shaft, 40-ft. adit. **Assays:** \$43 Au, Ag. **Ref:** 13, p. 166. 14, p. 44. 63, p. 19.

M and H No. 2 (165)

Loc: Sec. 7, (28-11E), on W. side of Silver Cr. **Ore:** gold, silver, copper. **Deposit:** Vein with 18 in. of ore on the footwall and 14 in. on the hanging wall. **Assays:** \$24 Au. **Ref:** 14, p. 34. 63, p. 31.

McCombs

(see Jasperson)

McKinley (185)

Loc: Sec. 18, (28-11E), on E. side of Silver Cr. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** 10-in. quartz vein. **Dev:** 40-ft. adit. **Ref:** 14, p. 34.

Mackinaw (89)

(see under copper)

Magus

(see "45" under silver)

Manley (24)

(see under copper)

Marengo

(see Delco and Marengo)

Martin Engdahl (163)

(see under lead)

Maud

(see Granite and Maud)

Mayflower (186)

Loc: SW¼ sec. 17, (28-11E), Silver Cr. dist. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** 20-ft. shear zone with from 8 to 36 in. of ore. **Dev:** 30-ft. adit. **Assays:** \$12 Au. **Ref:** 14, p. 35. 63, p. 31.

Michigan (187)

Loc: NE¼ sec. 19, (28-11E), on W. side of Silver Cr. **Owner:** Michigan Gulch Mining Co. (1892). **Ore:** Gold, silver, zinc. **Ore min:** Pyrite, sphalerite. **Gangue:** Quartz. **Deposit:** 3-ft. shear zone with 2 to 15 in. of ore. A 2- to 3-ft. cross shear with 3 in. of ore. **Dev:** 70-ft. adit. **Assays:** \$40 to \$70 Au. **Ref:** 13, p. 159. 14, p. 35. 63, p. 31.

Miiki Maru (207)

Loc: Sec. 36, (29-10E), just below Sheep Gap, Silver Cr. dist. **Ore:** Gold, silver, copper. **Ore min:** Chalcopryrite, pyrite. **Deposit:** Mineralized shear zone with from 14 to 48 in. of ore. **Assays:** \$17 Au, 4 oz. Ag, 3% Cu. **Ref:** 14, p. 35. 63, p. 30.

Milwaukee (67)

(see under zinc)

Mineral Center (Bonanza, Edison, Louise, Washington-Iowa) (221)

(see also Edison under gold, Washington-Iowa under copper)

Loc: W½ sec. 32, (29-11E), ¼ mi. E. of Red Gulch on N. side of Silver Cr. **Elev:** 3,500 ft. **Access:** 1½ mi. by trail from Mineral City. **Prop:** 13 claims, 10 of which are patented: Rattler, Emma, White Rose, Jessie, Monarch, Red Rose, Louise, Louise Fr., Jumbo, Blackbeard, Blue Bird, Torino, Edison. **Owner:** Mineral Center Mining Co., Tacoma, Wash. (1919-1951). Bonanza Mining & Smelting Co. (1902-1918). **Ore:** Gold, copper, silver, lead, zinc. **Ore min:** Pyrite, chalcopryrite, malachite, azurite, galena, arsenopyrite, pyrrhotite, sphalerite, molybdenite. **Gangue:** Silicified rock. **Deposit:** Mineralized shear zones in metasediments. One zone is 40 ft. wide and contains abundant pyrite and some chalcopryrite. **Dev:** Workings on 3 levels total 3,500 ft. **Improv:** 5 buildings, sawmill, compressor, blacksmith shop, and hand tools (1946). **Assays:** Various assays show from 0.04 to 0.18 oz. Au, 0.04 to 7.38 oz. Ag. The large zone assays 0.10 oz. Au, 7.38 oz. Ag. **Ref:** 88, p. 74. 97, 1907, p. 475. 98, 1918, p. 60. 150, p. 36. 158.

Mineral Mines (167)

(see under copper)

Minnehaha (126)

Loc: Sec. 33, (29-11E), on E. side of the E. Fk. Silver Cr. **Prop:** 1 claim. **Owner:** John A. Campbell (1892). **Ore:** Gold, silver. **Ore min:** Pyrite. **Gangue:** Quartz. **Deposit:** Mineralized shear zone with from 6 to 20 in. of ore. **Dev:** 60-ft. adit. **Assays:** \$30 to \$65 Au, Ag. **Ref:** 13, p. 162. 14, p. 35. 63, p. 28.

Mint

(see Iowa under copper)

Molly

Loc: On Jumbo Mtn., Darrington dist. **Prop:** Group of claims. **Owner:** Mr. Neste et al. (1910). **Ore:** Gold, silver, copper. **Dev:** 170-ft. adit, 50-ft. adit. **Assays:** Av. value of \$15 Au, Ag, Cu, more than half of which is Au. **Ref:** 14, p. 10. 88, p. 63.

Monitor and Sterling (40)

(see under copper)

Monte Cristo (Mystery, Pride) (113)

Loc: Sec. 26, (29-11E), 1 mi. E. of Monte Cristo. **Elev:** 3,000 to 5,500 ft. **Access:** Trail from Monte Cristo. **Prop:** 14 claims, including: Pride of the Woods, Pride of the Mountains, Mystery, Galore, Eighty Nine, Baltic. **Owner:** H. S. Ofstie, Everett, Wash. (1949). Monte Cristo Mining & Concentration Co. (1902). Monte Cristo Metals Co. (1907). Puget Sound Reduction Co. (1907-1918). Boston-American Mining Co. (1922-1926). **Ore:** Gold, silver, lead, zinc, copper. **Ore min:** Arsenopyrite, pyrite, chalcopryrite, galena, sphalerite, jamesonite, realgar. **Gangue:** Quartz, calcite, sheared rock. **Deposit:** Shear zone in schist and tonalite contains lenses of sulfide ore from 100 to 300 ft. in dia. and 1 to 15 ft. thick. Mineralization in other minor fractures. **Dev:** 3 main levels of adits and several smaller adits. Total underground work about 12,000 ft. **Assays:** 0.20 oz. Au, 3.00 oz. Ag, more than 6% As. Other assays showed for surface ores: 0.95 oz. Au, 12 oz. Ag, 4% Cu, 5% Pb; for deeper ores: 0.6 oz. Au, 7 oz. Ag, 1% Cu, 2½% Pb. **Prod:** 300,000 tons of ore. The ore came mainly from the Mystery and Pride claims above the 700-ft. level. **Ref:** 13, p. 148. 14, p. 21. 33, 1907, p. 941; 1908, p. 1142. 63, pp. 12-13. 88, pp. 71-72. 97, 1907, p. 475. 98, 1918-1926. 100, 1897, p. 180. 112, p. 197. 132, pp. 130-134. 149, pp. 803-804, 813, 818-821, 841. 158. 159, p. 136.

Morning Star (139)

(see under lead)

Mountain Cedar (71)

(see under copper)

Mountain Goat

(see under lead)

Murdock

(see under lead)

Myrtle C. (9)

(see under copper)

Mystery (Mountain Cedar, Paystreak)

(see Mountain Cedar under copper)

Mystery (Monte Cristo, Pride)

(see Monte Cristo)

National (222)

(see under copper)

Nemo (59)

Loc: NW¼ sec. 17, (30-10E), Silverton dist. **Prop:** 5 claims. **Ore:** Gold, silver, copper. **Ore min:** Chalcopryrite, arsenopyrite. **Deposit:** Quartz vein. **Dev:** 175-ft. adit at valley level. **Assays:** \$8 to \$15 Au, Ag. **Ref:** 14, p. 45. 63, p. 21.

Nesta (25)
(see under copper)

Nevada (96)
(see under copper)

New Seattle (36)
(see under silver)

New York (60)
(see under copper)

New York-Seattle (140)
(see under copper)

Non Pareil (197)
(see under copper)

North Star
(see Sunrise)

Northwest Consolidated

Loc: On W. side of Weden Cr., Monte Cristo dist. **Owner:** Northwest Consolidated Mining Co. (1915). **Ore:** Gold, silver, copper. **Deposit:** Mineralized arkose at contact of intrusive dike of tonalite. **Prod:** 1916. **Ref:** 14, p. 21. 97, 1916, p. 614. 149, p. 829.

Nunn
(see Taylor & Nunn)

O and B (101)
(see under copper)

Occidental (85)

Loc: Sec. 10, (29-10E), on Vesper Peak. **Owner:** Chas. Kelly, Joseph Wartz, Alden S. Chase, Everett, Wash. **Ore:** Gold, silver, copper. **Ref:** 158.

Old Gray Mare
(see Gray Mare under silver)

Oldfield
(see Sunrise)

Ontario (171)
(see under lead)

Ore Recoveries (61)
(see under copper)

Oro Fino (188)
(see under copper)

Orphan Boy (125)
(see also Silver Queen)

Loc: NE¼ sec. 33, (29-11E), Silver Cr. dist. **Ore:** Gold, silver. **Ref:** 63, p. 27.

P. and I. (102)

Loc: Sec. 21, (29-11E), Monte Cristo dist. **Ore:** Gold, silver, copper. **Ore min:** Chalcopryrite, pyrite. **Deposit:** 2- to 6-ft. mineralized fracture zone in andesite carries 5 to 24 in. of ore. **Dev:** 112-ft. adit. **Assays:** \$8.80 to \$21 Au. **Ref:** 14, p. 24. 63, p. 14.

Paystreak
(see Mountain Cedar under copper)

Peabody (124)
(see also Sidney)

Loc: NE¼ sec. 27, (29-11E), on W. slope of Wilmon Peak, Monte Cristo dist. **Elev:** 3,400 ft. **Access:** Trail from Monte Cristo. **Prop:** 1 patented claim: Remnant; 6 unpatented claims: Gene Elton, Lincoln, Sheridan, Kittie Mackay, Grant, Sidney. **Owner:** Louis H. McRae, Everett, Wash. (1949). Kitty A. Peabody, Edmonds, Wash. (1936). **Ore:** Gold, silver, lead, zinc.

Ore min: Arsenopyrite, pyrite, galena, sphalerite. **Gangue:** Quartz and altered andesite. **Deposit:** Mineralized fracture zone in andesite ranges from a few in. to 18 in. wide. **Dev:** 200-ft. adit, several short adits and open cuts. **Assays:** 0.3 to 0.6 oz. Au, 1 to 36 oz. Ag. **Prod:** 1905. **Ref:** 14, p. 21. 97, 1905, p. 336. 114, no. 5, 1909, p. 103. 157. 158.

Pelican (26)

Loc: SW¼ sec. 27, (32-9E), on Jumbo Mtn., Darrington dist. **Ore:** Gold. **Ore min:** Arsenopyrite. **Deposit:** 12-in. vein. **Dev:** 12-ft. adit. **Assays:** \$12 Au. **Ref:** 14, p. 10. 63, p. 51.

Penn

(see Foggy under copper)

Perm

Loc: Darrington dist., 7 mi. from Bedel and 7 mi. from Barlow Pass. **Ore:** Gold, silver, lead, zinc. **Ore min:** Arsenopyrite, tetrahedrite, galena, sphalerite. **Deposit:** Ore in fissures in schist and underlying granite. **Assays:** Sulfides av. \$9.88 Au and Ag, 3.15% As, 5.5% Sb, 3% to 5% Zn, 3% to 4% Pb. **Ref:** 158.

Philo (108)

(see under copper)

Pride

(see Monte Cristo)

Pride of Index

(see Lake Serene under copper)

Q. T. (127)

(see also Silver Queen)

Loc: SE¼ sec. 33, (29-11E), Silver Cr. dist. **Ore:** Gold, silver. **Ref:** 63, p. 27.

Queen Anne (27)

Loc: SE¼ sec. 27, (32-9E), on Jumbo Mtn., Darrington dist. **Owner:** Ole and Pete Nesta, Darrington, Wash. (1942). **Ore:** Gold, silver, copper, lead, zinc. **Ore min:** Chalcopryrite, galena, sphalerite, arsenopyrite, bornite. **Gangue:** Quartz. **Deposit:** Ore minerals associated with quartz in a 3-ft. fracture zone in granite. **Dev:** 1 adit. **Assays:** Tr. to \$550 Au, tr. to \$60 Ag, tr. to \$35 Cu. **Ref:** 14, p. 10.

Rainy (Ben Lomond) (103)

Loc: Sec. 22, (29-11E), ¼ mi. NE. of Monte Cristo. **Elev:** 3,000 ft. **Access:** Trail from Monte Cristo. **Prop:** 3 claims. **Owner:** J. F. Birney, Everett, Wash. (1930-1940). Ben Lomond Mining Co. (1914-1915). **Ore:** Gold, silver. **Ore min:** Arsenopyrite, pyrite. **Deposit:** Mineralized fracture zone in schist and andesite. Main ore body is 300 ft. in dia. and 8 in. to 5 ft. wide. **Dev:** 800-ft. adit, 200-ft. shaft. **Assays:** 862 tons shipped to smelter in 1913 to 1915 av. 0.638 oz. Au, 2.20 oz. Ag, 19.6% As. **Prod:** 20,000 tons of ore reported. **Ref:** 13, p. 149. 14, pp. 21-22. 63, p. 13. 97, 1914, p. 651; 1915, p. 572. 149, p. 814. 158.

Red Cloud (169)

Loc: Sec. 6, (28-11E), on W. side of Silver Cr. **Prop:** 3 claims. **Ore:** Gold, silver, lead. **Ore min:** Pyrite, cerussite. **Deposit:** 4- to 6-ft. shear zone with 3 to 9 in. of ore. **Dev:** 60-ft. adit. **Ref:** 14, p. 36. 63, p. 30.

Red Cross (228)

(see under copper)

Remonille (141)

Loc: SE¼ sec. 3, (28-11E), Silver Cr. dist. **Prop:** 3 claims. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** 3- to 10-ft. shear zone. **Dev:** 25-ft. adit. **Assays:** \$10 Au. **Ref:** 14, p. 36. 63, p. 29.

Republican (109)

(see under lead)

Ruby King (168)

Loc: SE¼ sec. 7, (28-11E), on Cascade Gulch, Silver Cr. dist. **Ore:** Gold, silver, copper, lead. **Ore min:** Arsenopyrite, chalcopryrite. **Deposit:** Shear zone with 5 ft. of ore. **Dev:** 60-ft. and 20-ft. adits. **Assays:** \$30 Au. Said also to carry Ag, Pb. **Ref:** 13, p. 158. 14, p. 36. 63, p. 31.

Rudebeck-Florence Rae

(see Florence Rae under copper)

S. M. P. (170)

(see under zinc)

Sadie

(see Helena and Sadie under copper)

St. Louis (173)

(see under copper)

St. Louis and Jackson (37)

(see under copper)

Sam Strom (5)

(see under copper)

Scriber

(see Kromona under copper)

Seattle

Loc: In Red Gulch, Monte Cristo dist. **Ore:** Gold, silver, copper. **Deposit:** Mineralized zone 3 ft. wide consisting of narrow streaks of sulfides along joints in slate. **Ref:** 14, p. 25. 149, p. 823.

Seventy Six (128)

(see under lead)

Shirley (189)

(see also Skrinde under copper)

Loc: Sec. 18, (28-11E), 1½ mi. N. of Galena bridge. **Owner:** Wm. E. Skrinde, Index, Wash. (1938). **Ore:** Gold, silver, copper. **Ref:** 158.

Sidney (129)

(see also Peabody)

Loc: Sec. 27, (29-11E), Monte Cristo dist. **Prop:** 1 unpatented claim (part of Peabody group). **Owner:** L. H. McRae, Everett, Wash. (1950). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcopryrite. **Gangue:** Quartz. **Dev:** Small amount. **Ref:** 13, p. 150. 14, p. 25. 114, no. 5, 1909, p. 104. 149, p. 833. 157.

Silver Coin (38)

Loc: NW¼ sec. 11, (30-9E), on Marten Cr. just W. of Silverton. **Elev:** 2,700 to 3,500 ft. **Access:** 3½ mi. by bulldozer road from highway. 40 mi. to railroad. **Prop:** 4 claims: Silver Coin Nos. 1 to 4. **Owner:** Silver Coin Mining Co., Lake Stevens, Wash. (1950). **Ore:** Gold, silver, lead, copper, bismuth, zinc. **Ore min:** Chalcopryrite, cosalite, sphalerite, pyrrhotite, pyrite. **Gangue:** Quartz, sericite, chlorite. **Deposit:** Mineralized fractures in granite. Widest mineralized zone was 3 ft., though a zone 12 ft. wide has been hydrothermally altered. **Dev:** Caved adit said to be 137 ft. long. **Assays:** Grab sample of cosalite ore showed 0.34 oz. Au, 98.78 oz. Ag, 2.20% Cu, 8.8% Bi, 19.2% Zn, 9.1% Pb. Chip sample across 4-ft. width showed 2.5% Zn, 0.5% Pb, 0.01% Bi, 1.40 oz. Ag, 0.005 oz. Au. Chip sample across 3-ft. width showed 10.1% Zn, 1.4% Pb, 0.01% Bi, 4.70 oz. Ag, tr. Au. **Ref:** 69, p. 14. 157. 158.

Silver Creek

(see Broken Ridge under copper)

Silver Horseshoe (83)

(see under silver)

Silver Lake (130)

Loc: Sec. 33, (29-11E), on Silver Tip Mtn., Silver Cr. dist. **Prop:** 6 claims. **Ore:** Gold, silver, lead. **Ore min:** Pyrite, galena. **Deposit:** 3- to 4½-ft. shear zone and 2 other shear zones with ore. **Dev:** 150-ft. adit, 101-ft. adit, 160-ft. adit, 50-ft. crosscuts. **Assays:** \$16 to \$140 per ton. **Ref:** 14, p. 37. 63, pp. 27-28.

Silver Queen (131)

Loc: Secs. 28 and 33, (29-11E), on E. Fk. of Silver Cr. **Prop:** Includes the Orphan Boy and Q. T. claims. **Ore:** Gold, silver, lead, zinc. **Ore min:** Pyrite, galena, sphalerite. **Deposit:** 6- to 30-ft. shear zone with 18 to 24 in. of ore. Another shear zone with 6 in. of ore. Several other small mineralized shear zones. **Dev:** 200-ft. adit, 286-ft. adit, 25-ft. adit, several open cuts. **Assays:** \$36 to \$45 Au, \$3.35 Ag. **Ref:** 14, p. 37.

Silver Slipper (172)

Loc: NW¼ sec. 6, (28-11E), on W. side of Silver Cr. **Ore:** Gold, copper, silver. **Ore min:** Arsenopyrite, chalcopryrite, argentite. **Deposit:** 8-ft. shear zone with 24 in. of ore. **Dev:** 40-ft. adit. **Assays:** As high as \$80 Au. **Ref:** 13, p. 162. 14, p. 37. 63, p. 31.

Skrinde (190)

(see under copper)

Sloman (15)

Loc: Sec. 32, (32-9E), on N. side of White Horse Mtn., Darrington dist. **Ore:** Gold, silver, copper. **Deposit:** 5-ft. vein. **Dev:** 2 adits each 50 ft. long. **Assays:** As high as \$33 per ton. **Ref:** 14, p. 10. 58, p. 64. 63, p. 51. 88, p. 63.

Standard

(see under lead)

Steele (88)

Loc: N½ sec. 19, (29-11E), Silver Cr. dist. **Access:** Trucl road. **Prop:** Several claims. **Owner:** I. E. Steele. **Ore:** Gold. **Ore min:** Pyrite. **Gangue:** Quartz, calcite. **Deposit:** 1- to 3-ft vein in argillite. **Dev:** 150-ft. adit and several open cuts. **Ref:** 14, p. 37.

Sterling

(see Monitor and Sterling under copper)

Sultan King (208)

(see under copper)

Sultan Queen

(see Sultan King under copper)

Sunday Star

Loc: Silver Cr. dist. **Prop:** 1 claim. **Owner:** J. N. Scot (1892). **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** 3½-ft mineralized shear zone. **Dev:** 40-ft. shaft. **Assays:** \$40 Au, Ag. **Ref:** 13, p. 163. 14, p. 37.

Sunrise (North Star, Oldfield) (16)

Loc: NE¼NE¼ sec. 29, (32-9E). **Access:** 5 mi. by road to railroad near Darrington. **Prop:** 4 claims. **Owner:** W. E. Oldfield, Seattle, Wash. (1951-1952). **Ore:** Gold, silver, copper, lead, zinc, molybdenum. **Ore min:** Chalcopryrite, galena, molybdenite, arsenopyrite, sphalerite, pyrite. **Gangue:** Quartz. **Deposit:** Narrow fractures cutting granite are filled with quartz and ore minerals. **Dev:** 2 adits aggregating 155 ft. **Assays:** 0.08 to 0.55 oz. Au, 1.3 to 9.1 oz. Ag, 0.8% to 1.67% Cu, 0.1% Mo, 9% As. **Ref:** 14, p. 10. 133, p. 40.

Sunrise (86)

(see under copper)

Sunset (234)

(see under copper)

Sunset (97)

Loc: Sec. 12, (29-11E), about ½ mi. S. of Goat Lk., Monte Cristo dist. **Ore:** Gold, silver. **Ore min:** Arsenopyrite, pyrite. **Deposit:** Fracture zone carrying 3 ft. of ore. **Assays:** \$33 Au, Ag. **Ref:** 14, p. 25. 63, p. 16.

Sunset and Beatrice (191)

(see under lead)

Taylor & Nunn (Bergensen, Tum Tum) (17)

Loc: Sec. 29, (32-9E), on headwaters of Ashton Cr., Darrington dist. **Access:** 1½ mi. from road. **Owner:** J. A. Taylor, Lakewood, Wash. (1935). **Ore:** Gold, silver, molybdenum. **Ref:** 14, p. 10. 58, p. 67. 158.

Texas (192)

Loc: NE¼ sec. 17, (28-11E), Silver Cr. dist. **Prop:** 5 claims. **Ore:** Gold, silver. **Ore min:** Arsenopyrite. **Deposit:** Mineralized shear zone with from 4 to 7 ft. of ore. **Dev:** 20-ft. adit, several open cuts. **Assays:** \$20 per ton. **Ref:** 14, p. 37. 63, p. 31.

Threadwell

Loc: Monte Cristo dist. **Ore:** Gold, silver, lead, copper, zinc. **Ore min:** Pyrite, chalcopyrite, galena, sphalerite. **Deposit:** Mineralized fracture zone. **Dev:** 10-ft. and 110-ft. adits. **Assays:** \$9 to \$20 Au in the upper 10 ft. Much lower grade ore in the unoxidized zone. **Ref:** 14, p. 25.

Three Sisters (62)

Loc: Sec. 18, (30-10E), Silverton dist. **Ore:** Gold, silver. **Ref:** 58, p. 67.

Three Star (98)

Loc: Sec. 11, (29-11E), about ½ mi. W. of Goat Lk., Monte Cristo dist. **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** 8- to 12-ft. fracture zone that carries from 3 to 7 ft. of ore. **Dev:** Small amount. **Ref:** 14, p. 25. 63, p. 16.

Tobique and Lalla Rookh (104)

Loc: Sec. 21, (29-11E), just N. of the O and B mine, Monte Cristo dist. **Ore:** Gold, silver, lead. **Ore min:** Pyrite, galena. **Deposit:** 12- to 15-ft. fracture zone in andesite. **Dev:** Two 15-ft. adits and another adit of unknown length. **Assays:** \$8 to \$30 Au, 6 to 40 oz. Ag. **Ref:** 14, p. 25. 63, p. 14.

Treasure Box

(see Horseshoe and Treasure Box)

Troly

(see Skrinde under copper)

Troublesome Pass

(see under silver)

Tum Tum

(see Taylor & Nunn)

Twentieth Century (132)

(see under silver)

Typo

(see Argonaut and Typo)

Uncle Sam (199)

(see under copper)

Undaunted (223)

Loc: Sec. 31, (29-11E), on Mineral Mtn., Silver Cr. dist. **Prop:** 4 claims. **Ore:** Gold, silver. **Ore min:** Pyrite. **Deposit:** 6 mineralized shear zones that range from 1½ to 6 ft. in width and carry from 6 to 36 in. of ore. **Dev:** 35-ft. adit and several open cuts. **Assays:** \$12 to \$70 per ton. **Ref:** 14, p. 38. 63, p. 29.

Union (99)

Loc: Sec. 12, (29-11E), ¼ mi. E. of the SE. end of Goat Lk., Monte Cristo dist. **Ore:** Gold, silver. **Ore min:** Arenopyrite, pyrite. **Deposit:** Mineralized fracture zone that carries 1½ to 4 ft. of ore. **Dev:** 40-ft. crosscut. **Ref:** 14, p. 26. 63, p. 16.

Vandalia (175)

(see under lead)

Victory

Loc: Silver Cr. dist. **Ore:** Gold, copper, lead, silver. **Ref:** 14, p. 38. 105, 8/02, p. 122.

Virginia (63)

(see under copper)

Washington-Iowa (225)

(see Mineral Center, and see also Washington-Iowa under copper)

Wayside (42)

(see under copper)

Webster

(see Jasperson)

Weden Creek

(see Mackinaw under copper)

Welman (3)

Loc: SE¼ sec. 19, (32-9E), on White Horse Mtn., Darrington dist. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** 14-in. vein. **Assays:** As much as \$94 Au. **Ref:** 14, p. 11. 63, p. 51.

Westland (174)

(see under copper)

Whaleback (224)

Loc: Sec. 29, (29-11E), Silver Cr. dist. **Ore:** Gold, silver, copper. **Ore min:** Chalcopyrite, pyrite. **Deposit:** 15 ft. of concentrating ore. **Assays:** \$4 to \$10 Au, Ag. **Ref:** 14, p. 38. 63, p. 29.

Whistler (110)

(see under lead)

White Gander (28)

(see under copper)

Whitehorse (18)

(see under zinc)

Wilbur Index

(see Lake Serene under copper)

Wild Rose (226)

(see under copper)

Wildcat (133)

Loc: SE¼ sec. 33, (29-11E), Silver Cr. dist. **Ore:** Gold, silver. **Deposit:** Wide shear zone with 6½ ft. of concentrating ore. **Dev:** 40-ft. adit. **Assays:** \$10 Au. **Ref:** 14, p. 38. 63, p. 28.

Wilmon Peak

Loc: On Wilmon Peak, Monte Cristo dist. **Prop:** 7 claims. **Ore:** Gold. **Dev:** 2 adits. **Ref:** 14, p. 26. 63, p. 13.

Winnie (227)

(see under copper)

Winter Coon (64)

Loc: Sec. 19, (30-10E), Silverton dist. **Owner:** Virginia-Agenda Co. (1922-1930). **Ore:** Gold, silver, copper, arsenic. **Ref:** 14, p. 45. 97, 1930, p. 675. 98, 1922, p. 1669; 1925, p. 1836; 1926, p. 1599.

Yankee Boy (44)

(see under copper)

Yellow Jacket

Loc: Index dist. **Ore:** Gold. **Ref:** 58, p. 74.

Zeta (134)

Loc: Sec. 34, (29-11E), about 1 mi. E. of Silver Lk. on the Monte Cristo side of the divide. **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcoppyrite, bornite. **Deposit:** 3 parallel mineralized fractures. One shows from 8 to 24 in. of ore, another shows 3 to 18 in. of ore. **Dev:** 15-ft. adit, several open cuts. **Assays:** \$5 to \$6 Au, \$3 to \$11 Ag. **Ref:** 14, p. 26. 63, p. 27.

STEVENS COUNTY**A and C (131)**

(see under copper)

Abe Lincoln (41)

Loc: Sec. 1, (39-36E), on flat bench 1 mi. E. of Rockcut, Orient dist. **Elev:** 2,350 ft. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Pyrite, chalcoppyrite. **Deposit:** Mineralized quartz vein occurs in a country rock consisting of Orient gneiss cut by diorite dikes. **Dev:** 120-ft. shaft with 40-ft. crosscut at 100-ft. level, and another 100-ft. shaft. **Assays:** \$30 Au. **Ref:** 30, p. 129. 104, 9/32. 164, pp. 289-290.

Abe Lincoln (Comstock)

(see Comstock under lead)

Acme (F. H. and C.)

(see F. H. and C.)

Acme (Acme-Dora) (151)

(see under lead)

Admiral (192)

(see under copper)

Advance (101)

(see under zinc)

Aguila (153)

(see under lead)

Al Ki

(see under lead)

Aladdin (Blue Ridge, Sierra Zinc)

(see Sierra Zinc under zinc)

Aladdin (140)

(see under lead)

Alert

Loc: On N. Fk. Fifteen Mile Cr., Northport dist. **Ore:** Gold, silver, copper. **Ref:** 63, p. 107.

Alice

(see under copper)

Alice C (45)

Loc: Sec. 18, (39-37E), ¼ mi. E. of First Thought property. **Access:** ¼ mi. from road. **Prop:** 2 claims: Alice C, Protection. **Owner:** May be part of holdings of Gold Syndicate Corp. **Ore:** Gold. **Ore min:** Pyrite. **Deposit:** Latite flows cut by monzonite dikes. Fracture zones in these rocks mineralized with auriferous pyrite. **Dev:** 70-ft. double-compartment shaft and 2 adits. **Ref:** 30, p. 133. 164, p. 261.

Alice May

Loc: On Onion Cr., Northport dist. **Ore:** Gold. **Ref:** 63, p. 111.

Alma (152)

(see under silver)

Amazon (174)

(see under copper)

American Boy (64)

Loc: Sec. 31, (39-37E), Orient dist. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Pyrite and small amounts of chalcoppyrite. **Deposit:** Mineralized fracture zone in limestone parallel to the bedding planes. **Dev:** 25-ft. shaft, several open cuts. **Assays:** Reportedly \$15 Au. **Ref:** 30, p. 127. 164, p. 281.

Anaconda (113)

(see under lead)

Antelope (82)

Loc: Sec. 20, (39-38E), Orient dist. **Elev:** 3,650 ft. **Access:** Near road. **Prop:** 1 unpatented claim. **Owner:** Abandoned (1941). **Ore:** Gold, copper. **Ore min:** Pyrite, pyrrhotite, chalcoppyrite, melanterite. **Gangue:** Quartz. **Deposit:** 2½- to 4-ft. vein in Jumbo volcanics. **Dev:** Inclined shaft about 100 ft. deep. **Assays:** Sample taken across the vein said to assay \$26.25. **Prod:** 50 tons of ore said to have been mined. **Ref:** 30, p. 135. 164, p. 251.

Ark (150)

(see under silver)

Audrey M. (63)

(see under copper)

B and B (170)

(see under copper)

Bald Eagle (32)

Loc: Sec. 25, (40-36E), E. of Mogul property, Orient dist. **Elev:** 3,650 ft. **Access:** Near road. **Prop:** 3 unpatented claims, including: Bald Eagle Nos. 1 and 2. **Owner:** Abandoned (1941). Bald Eagle Gold Mining Co. (1897). **Ore:** Gold, silver, copper. **Ore min:** Pyrite, chalcoppyrite, a few specks of galena. **Gangue:** Quartz. **Deposit:** Country rock of quartzite, schist, and limestone cut by diorite dikes, is traversed by two mineralized fracture zones, one 12 ft. wide. **Dev:** 25-ft. shaft, 15-ft. shaft, and other shafts total about 100 ft. Also a few open cuts. **Assays:** \$1 to \$6 Au, Ag. **Ref:** 30, p. 129. 63, p. 106. 164, p. 287.

Banner

(see Chinto under copper)

Bear Mountain (155)

(see under lead)

Beecher (37)

Loc: Near center sec. 31, (40-37E), Orient dist. **Elev:** 2,500 ft. **Access:** 2 mi. NE. of Rockcut by road. **Owner:** Beecher Gold Mining Co. (1909-1924). **Ore:** Gold, silver, copper, lead. **Ore min:** Free gold, pyrite, sylvanite, galena, limonite, chalcoppyrite. **Gangue:** Quartz, calcite. **Deposit:** 2 quartz veins, one 4 to 24 in. wide, another as much as 8 ft. wide. Country rock is schist and Rossland volcanics cut by diabase. **Dev:** 65-ft. shaft with 115-ft. drift at bottom. Other short drifts. **Assays:** Av. \$4 to \$24 Au, high-grade \$136 to \$296 Au. **Prod:** 2 shipments aggregating 22 tons prior to 1913. **Ref:** 7, p. 88. 97, 1915, p. 575; 1916, p. 616. 98, 1918, 1922, 1925. 114, 8/09, p. 60. 164, p. 285.

Belcher (176)

(see under copper)

Belle of the Mountain

Loc: Summit dist., about 18 mi. W. of Chewelah. **Access:** Road from Chewelah. **Owner:** C. H. Bodge (1890). **Ore:** Gold. **Ore min:** Free gold. **Deposit:** 3-ft. quartz vein. **Dev:** 20-ft. shaft. **Assays:** Ore on dump showed \$20 Au. **Ref:** 12, p. 77. 13, p. 124.